

**ENVIRONMENT & TECHNOLOGY  
WORKING GROUP**

**SURVEY OF CURRENT INITIATIVES  
Provincial, National, International,  
Government & Non-Governmental**

**MAY 1993**



***prepared by: Lucy Nottingham***

ASST. DIR. OF  
INFORMATION  
SERVICES  
IDRC

***IDRC WORKING GROUP ON  
THE ENVIRONMENT & TECHNOLOGY***

***SURVEY OF CURRENT ORGANIZATION INITIATIVES***

***INTRODUCTION***

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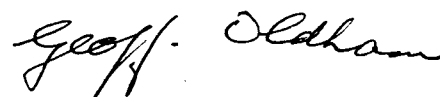
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# ***INTRODUCTION***

IDRC has identified "Technology and Environment" as one of six themes which are related to Agenda 21 and which will constitute focii for IDRC's programme over the next several years.

A task force is working to identify the conceptual framework for this theme and as an input to its deliberations it decided to commission a review of other organizations work on technology and environment. The work was carried out by Lucy Nottingham over a 3 week period in April and May 1993, under the supervision of Elizabeth McGregor. This report is the result of the review. It contains information which may be relevant to the other themes being addressed by the Centre and hence is being given wide circulation.

A handwritten signature in cursive script that reads "Geoff. Oldham".

Geoffrey Oldham  
Chair  
Technology & Environment Working Group  
May 19, 1993

## Canadian Coordinating Bodies

Program	"Mandate"/Goals	Activities	Major Supporters	Contact Point
Green Plan	Federal government launched Plan in 1990 with over 100 programs and initiatives, aiming to make Canada "the industrial world's most environmentally friendly country by the year 2000." Green Plan will be brought into line with commitments from UNCED.	A wide range of activities grouped under; acid rain, air quality, Arctic, environmental emergencies, global warming, hazardous waste, integrated decision-making, ozone depletion, pesticides, renewable resources, waste management, water resources and science. For recent information on Green Plan see; <i>Canada's Green Plan and the Earth Summit</i> , and <i>Canada's Green Plan, The Second Year</i> .	Activities spread over all federal government departments, with Environment Canada and Department of Indian and Northern Affairs receiving the largest proportions of Green Plan budget.	Mary Smiley Director Green Plan Operations Environnement Canada Terrasses de la Chaudière 10 Wellington Street Hull K1A 0H3 Tel: (613) 953-7211
National Round Table on the Economy and the Environment (NRTEE)	To advise the Prime Minister on policies and practices integrating sustainable development principles into operations of federal government; to contribute to international efforts to implement sustainable development; to work in concert with provincial & territorial round tables to advance common objectives.	Answers to the Prime Minister and the Canadian public. Quarterly plenary sessions are held with one standing committee & four working groups make progress reports at plenary sessions. Scheduled to meet in June, September and December, 1999. Is serving as the secretariat to the National Stakeholders process.	Federal government	NRTEE #520, 1 Nicholas Street Ottawa, Ontario K1N 7B7 Tel: (613) 991-7189 Fax: (613) 992-7184
Provincial Round Tables on the Economy and the Environment	Multi-stakeholder groups to integrate sustainable development principles into all aspects of decision-making. Provincial roundtables are closely integrated with provincial governments.	Are involved in forming sustainable development strategies for each province.	Provincial governments	Provincial addresses can be obtained through the National Roundtable

<p><b>Projet de Société: Planning for a Sustainable Future</b>  National Stakeholder Process.  Multi-stakeholder (Governments, agencies, NGO's) Group created by Federal Minister of Environment</p>	<p>Creation of a multi-stakeholder forum to identify key obstacles and gaps in translating the principles of Agenda 21 into the daily activities of Canadians. Create a broad consensus on dealing with challenges and report progress.</p>	<p>Multi-stakeholder working group to develop a framework for sustainable development in Canada. Including developing a document setting out who is responsible for ensuring Rio commitments are met, and process to identify gaps. for presentation at second National Stakeholders meeting June, 1993. Document committee will review intensively selected chapters, not including Chapt. 34.</p>	<p>The Canadian Council of Ministers of Environment (CCME), Environment Canada, IDRC, IISD, (Conducting a survey on Agenda 21 activities), National Round Table on the Economy and the Environment (NRTEE) serving as chair and secretariat.</p>	<p>Barry Sadler  NRTEE  1 Nicholas Street, Suite 1500  Ottawa, Ontario  K1N 7B7  Tel: (613) 992-7189  Fax: (613) 992-7385</p>
<p><b>UNCED Task Force</b>  (Post UNCED equivalent of the Federal UNCED Secretariat.)</p>	<p>Established within Environment Canada as a federal government focal point and information source on UNCED related commitments and Canadian responses.</p>	<p>Details on Group's operational specification are presently under discussion. Expected to organise inter-departmental committee for UNCED follow-up in May, 1993.</p>		<p>Roger Street  UNCED Task Force  Environment Canada  Tel: (613) 994-0277</p>



## Canadian - Federal Departments

Department	"Mandate"/Goals	Activities	Major Supporters	Contact Point
<b>Agriculture Canada</b> <ul style="list-style-type: none"> <li>Research Branch</li> <li>Soil &amp; Water Agreements (Agriculture Canada)</li> <li>Bureau for Environmental Sustainability</li> </ul>	<p>Branch mission is to improve the long-term marketability of agri-food products; areas of research include soil quality and erosion, general water use, land use and soil management systems.</p> <p>Federal-Provincial agreements on Environmental sustainability.</p> <p>Established to spearhead Agriculture Canada's efforts in the pursuit of environmental sustainable objectives both within the department and agri-food sector.</p>	<p>1992 Green Plan initiative through Bureau for Environmental Sustainability. To help make agri-food industry more environmentally sustainable federal and provincial ministers working on three part implementation strategy including development of programs of awareness, education, monitoring, research technology transfer, demonstrations, technical and financial assistance.</p>		<p>Dr. J. B. Morrissey            Assistant Deputy Minister            Research Branch            Agriculture Canada            Sir John Carling Building, 930 Carling Ave.            Ottawa, Ontario            K1A 0C5            Tel: (613) 995-7084</p> <p>C. Nymark            Director, Bureau for Environmental Sustainability            Agriculture Canada            Sir John Carling Building, 930 Carling Ave.            Ottawa, Ontario            K1A 0C5            Tel: (613) 943-1611</p>
<b>Energy, Mines and Resources (EMR)</b> <ul style="list-style-type: none"> <li>Office of Environmental Affairs</li> <li>Efficiency and Alternative Energy Branch</li> </ul>	<p>Advises senior management on environmental consequences of activities, promotes consideration of environmental issues in internal &amp; external decision-making.</p> <p>R&amp;D and funding on energy efficiency, alternative transportation rules, renewable energy including biomass, solar and wind power, small hydro and bioenergy conversion technologies.</p>	<p>Activities under the Green Plan include; Industrial Targeted Research and Development Program, eg. technology development activities will include production design manuals for consulting engineers for integrated energy systems; Technical advice and financial support provided to the Oujé-Bougoumou Cree Nation for design of a new township, based on a waste-wood-fired district heating system, the first to employ flexible plastic piping.</p>		<p>Linda Collette,            Director, Office of Environmental Affairs            EMR            580 Booth St.            Ottawa, Ontario            K1A 0E4            Tel: (613) 996-2833</p> <p>W. D. Jarvis            Director General            Efficiency and Alternative Energy Branch            EMR            Tel: (613) 995-0081</p>

<p><b>Environment Canada</b></p> <ul style="list-style-type: none"> <li>• Technology for Environmental Solutions Initiative</li> <li>• The Development &amp; Demonstration of Resources &amp; Energy Conservation Technology (DRECT) Program</li> </ul>	<p>An initiative under the Green Plan to accelerate the development, transfer, demonstration and adopting of advanced environmental technologies.</p> <p>Provides 50% of funds to an annual maximum of \$200,000 to industries and municipalities for development &amp; demonstration of innovative technologies that will save energy and conserve resources through the reduction and recovery of wastes</p>	<p>Three areas of Solutions Initiative;</p> <ul style="list-style-type: none"> <li>• Environmental Technology Commercialization</li> <li>• Technology Transfer Program, includes the establishment of three technology transfer centres</li> <li>• Environmental Technology Network</li> </ul>	<p>Environment Canada will administer the Technology Network and Technology Transfer Program, ISTC will administer the Technology Commercialization Program with support of Environment Canada, NRC (IRAP)</p> <p>DRECT Funded by the Green Plan</p>	<p>Wayne Richardson Manager Technology Transfer Office Technology Development Branch Environment Canada Tel: (819) 953-9364 Fax: (819) 953-9029</p> <p>David Hutchison Environment Canada Tel: (819) 953-5228</p>
<p><b>External Affairs and International Trade Canada (EAITC)</b></p> <ul style="list-style-type: none"> <li>• The Environment Division (EEE)</li> </ul>	<p>Deals with issues such as climate change, ozone depletion, marine pollution, hazardous wastes, biological diversity, wildlife, forests and the Arctic environment.</p> <p>Responsible for follow-up to UNCED, liaison and country reports to the Sustainable Development Commission, liaison with UNEP, working on international agreements such as Montreal Protocol.</p>	<p>Establishing an inter-departmental committee as a conduit point for internationally related activities affecting federal government departments</p> <p>March, 1993 prepared document, <i>A Qualitative Review of the Economic Implications of Agenda 21</i>.</p>	<p>External Affairs in conjunction with other federal departments</p> <p>Gordon Clifford (Contract consultant with the department)</p>	<p>Shirley Lewchuk Environment Division EAITC Tel: (613) 996-2110</p> <p>Gordon Clifford Tel: (613) 947-2392</p>
<p><b>Fisheries and Oceans</b></p>	<p>Duties, powers and functions include; sea coast &amp; inland fisheries, fishing and recreational harbours, hydrographic and marine science, policy and program coordination among federal departments and agencies.</p>	<p>Green Plan Initiatives; Atlantic Coastal Action Program helping 13 communities to develop "blueprints" for managing coastal resources, local level organised; establishment of a national research &amp; information program to reduce the discharge of plastics and solid debris in the waters.</p> <p>Resource and Industry Development Branch; fish re-stocking; assistance to fishing-related activities in the private sector; development of new fisheries including aquaculture; support for experimental fisheries.</p>		<p>Fisheries and Oceans Communication Directorate 200 Kent Street Ottawa, Ontario K1A 0E6 Tel: (613) 993-0999 Fax: (613) 990-1866</p> <p>Director General Sustainable Development Tel: (613) 990-9765</p>



Forestry Canada	Forest science includes; biotechnology, genetics & techniques to improve growth & yield such as tree spacing, forest fertilization & pest control; maintains a national forest inventory.	Green Plan initiatives; supporting establishment of model forest projects - has been expanded to international models replicating Canada's Model Forest Network; promotion of technology to control pests & disease; provide data on climate change.	A. Hughes Director Science and Sustainable Development Forestry Canada Place Vincent Massey 351 St-Joseph Boulevard Hull K1A 1G5 Tel: (613) 997-1107
Indian and Northern Affairs (DIAND)	<p>Economic Development Sector includes the Resource Development Directorate providing technical and financial assistance through the Canadian Aboriginal Economic Development Strategy (CAEDS) to community activities concerning natural resources and related environmental issues.</p> <p>Lands, Revenues &amp; Trusts Sector Environment Directorate provides technical financial assistance to communities to deal with environment issues; cooperation with Health &amp; Welfare Canada to monitor environmental issues that affect Indian lands and northern ecosystems.</p>	Green Plan Initiatives; Project Eagle, (part of Plan on Health and the Environment) studying 63 Aboriginal communities around Great Lakes and the effects of contaminants on lifestyle of communities.	<p>Garth Bangay Director Environment and Renewable Resources Directorate Natural Resources and Economic Development Branch DIAND Tel: 997-2728</p> <p>Glenn Bloodworth Director, Environmental Protection Directorate Lands, Revenues and Trusts DIAND Tel: (613) 997-8424</p>

<p>Industry, Science and Technology Canada</p> <ul style="list-style-type: none"> <li>• Environmental Affairs Branch</li> </ul>	<p>Coordinates &amp; integrates departments input to the government's regulatory initiatives, promotes development of key environmental science &amp; technology capabilities</p> <p>Promotes development of Canada's environmental and market opportunities and works with industry to identify and exploit business opportunities resulting from increased concerns over the environment. Provides technical support for Green Plan. Many activities are still in the start-up phase.</p>	<p>- The establishment of Canadian Office for Training in the Environment</p> <ul style="list-style-type: none"> <li>- Bilateral and multilateral activities to help companies access and capture market opportunities</li> <li>- Creation of a directory of federal and provincial support programs</li> <li>- Compiled a Directory of Canadian Environmental Services Firms</li> <li>- Directory of Manufacturers of Environmental Products</li> <li>- ISTC delivery point for the Environmental Technology Commercialization Program under the Technology for Environmental Solutions Initiative</li> </ul>	<p>Environment Canada, EAITC, NRC, CIDA and Provinces</p> <p>ISTC will administer the Technology Commercialization Program with support of Environment Canada, National Research Council (NRC) through the Industry Research Assistance Program (IRAP)</p>	<p>Lucien Bradet, Director General Environmental Affairs Branch Industry, Science and Technology Canada 235 Queen Street Ottawa, Ontario Tel: (613) 954-3030</p> <p>John Mihalus Director Environmental Industries Directorate Industry, Science and Technology Canada 235 Queen Street Ottawa, Ontario K1A 0H5 Tel: (613) 954-1890</p>
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## Canadian - Federal Government Laboratories

Organization	Mandate	Activities	Major Supporters	Contact Point
<b>Agriculture Canada</b> <ul style="list-style-type: none"> <li>Operates 32 research establishments across Canada</li> </ul> Some laboratories are listed as examples: <ul style="list-style-type: none"> <li>Research Station Lethbridge, includes the Manyberries Research Station, Stavely Research Station and Vauxhall Irrigation Substation</li> <li>Lennoxville Research Station</li> </ul>	Research largely in the fields of plant disease, pest control, soil fertility and fertilizers, feedstuff utilization, crop storage etc. Not specially addressing technology aspects, except in the area of irrigation mechanisms.	Activities include research in the areas of soil drainage, hydrology of soils and irrigation.  Activities include environmental quality and wastes, soil conservation degradation & reclamation, crop production management.	Agriculture Canada	B.H. Sontag Research Station, Lethbridge PO Box 3000 Main Postal Station Lethbridge, Alberta T1J 4B1 Tel: (403) 327-4561  Lennoxville Research Station 2000 Route 108, East, PO Box 90 Lennoxville, Quebec J1M 1Z3 Tel: (819) 565-9171
<ul style="list-style-type: none"> <li><b>Energy, Mines and Resources (EMR)</b></li> </ul> Operates 27 research laboratories -Canmet/Mineral SC. Lab - Environmental Program		Activities include; effluent treatments, mineral industries, waste management.		Dr. A. J. Oliver 405 Rochester Street Ottawa, Ontario K1A 0G1 Tel: (613) 996-5619

<p><b>Environment Canada:</b> Operates 51 laboratories</p> <ul style="list-style-type: none"> <li>• Research labs, eg: - River Road Environmental Technology Centre</li> <li>- National Water Research Institute</li> <li>- Wastewater Technology Centre</li> <li>- Environmental Conservation Directorate: Pacific and Yukon Region</li> </ul>	<p>Provides technical support to pollution assessment and control programs and the development of technologies to measure air pollution from mobile and stationary sources</p> <p>Canada's largest freshwater research establishment, generate expertise essential for sustainable water resource development in Canada and worldwide</p> <p>Development and evaluation of treatment and disposal technology for municipal and industrial wastewater and associated residues</p> <p>Activities include management of water resources, flood damage reduction, water quality management data, environmental assessment.</p>	<p>Assists government agencies, major industries, SME's and consulting firms by developing and demonstrating equipment and processes.</p> <p>Seek solutions to current and future water quality problems, the International Programs Group provides an international focus to international water issues.</p> <p>Innovative wastewater treatment and process technologies.</p>	<p>Operated by Environment Canada</p> <p>Operated by Environment Canada</p> <p>Operated by RockCliffe Research Management Inc</p> <p>Operated by Environment Canada</p>	<p>Director, River Road Environmental Technology Centre Environment Canada 3439 River Road Gloucester, Ontario Tel: (613) 998-3671 Fax: (613) 998-0004</p> <p>Manager, Program Liaison Unit National Water Research Institute Environment Canada Box 5050, 867 Lakeshore Rd Burlington, Ontario Tel: (416) 336-4503 Fax: (416) 336-4989</p> <p>C.E. O. RockCliffe Research Management Inc. c/o wastewater Technology Centre Box 5068, 867 Lakeshore Rd. Burlington, Ontario Tel: (416) 336-4740 Fax: (416) 336-8912</p> <p>E.M. Clarke Environmental Conservation Directorate: Pacific and Yukon Region 1001 West Pender Street Vancouver, British Columbia V6E 2M9 Tel: (604) 666-3357</p>
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The Federal Research Directorate, Industry, Science and Technology, Canada has compiled a draft database of the over 200 hundred federal government labs, with an indication of current activities. Also has a database of the university departments or labs receiving NSERC grants for environmental research and development. Also available is a listing of a large number of companies active in environmental technologies. Barry Sternparr, Director, Federal Research Directorate, ISTC, 335 Queens Street, Ottawa, Ontario. Tel: (613) 993-6581.

## Canadian Provincial Governments and Laboratories

Organization	Goals	Activities	Major supporters	Contact Point
<p><b>Alberta</b></p> <ul style="list-style-type: none"> <li>• Alberta Agency for International Development</li> </ul>		<p>In 1992 assisted a total of 155 projects worth \$1.95 million in 56 countries, managed by 77 NGO's.</p>		<p>Ron Hicks Environment Alberta (403) 427-0047 L.J. Pana Director Business Finance and Investment Division Alberta Agency for International Development 7th floor, Sterling Place 9940-106 Street Edmonton, Alberta T5K 2P6 Tel: (403) 427-3300 Fax: (403) 422-9319</p>
<p><b>Association of Provisional Research Organizations - APRO</b> Includes; Nova Scotia Research Foundation Corporation, British Columbia Research Corporation, Alberta Research Council, Saskatchewan Research Council, Centre de Recherche industrielle du Québec (CRIQ)</p>	<p>- A national network of Provincial and Territorial Research Organization providing technical support and services to Provincially and Territorially based industries.</p>	<p>Applied Research, technical assignments for private sector and governments clients. All these organizations are pursuing environment related research, including testing of new process and technologies, assisting in meeting environmental regulations, resource recovery etc.</p>	<p>Variations across Provinces, some operate as Provincial agencies, supplemented by contract work for government clients, universities and the private sector especially SME's</p>	<p>Graham Taylor President, APRO 800-A, 280 Albert Street Ottawa, Ontario K1p 5G8 Tel: (613) 567-2993 Fax: (613) 567-4562</p>

<p><b>British Columbia</b></p> <ul style="list-style-type: none"> <li>• Municipal Solid Waste Management Program</li> <li>• Equity Capital Program</li> <li>• Technology BC Program</li> <li>• Financial Assistance for Recycled Scrap tires</li> </ul>	<ul style="list-style-type: none"> <li>- Financial Assistance program for municipalities to reduce waste. To encourage programs and initiatives for waste reduction, recycling or re-use.</li> <li>- Delivered through BC Venture Capital Corp. To encourage private sector investment in BC small businesses that diversify the economy.</li> <li>- Delivered through BC Science Council. Financial Assistance for development and application of science and technology, includes environmental technology related to manufacturing, agriculture, aquaculture, mining forestry, fishing.</li> <li>- Financial Incentive for Recycled Scrap Tires. To collect and recycle 90% of the used tires in the Province.</li> </ul>	<p>BC is home to 400 environment technology companies, about 40% of Western Canada total. Currently the four Western Provinces are working with Environment Canada under the Green Plan to produce a directory of environmental technology companies.</p>		<p>Bert Zethof Business Equity Branch Ministry of Economic Development, Small Business &amp; Trade Tel: (604) 438-2752</p>
<p><b>Canadian Council of Ministers of Environment (CCME)</b></p>	<p>In response to Agenda 21 established an UNCED Follow-up Task Group to prepare an assessment of impact of UNCED on CCME work plans and propose a role for CCME in Canada's role. Group identified 7 priorities areas for next two years.</p>	<ul style="list-style-type: none"> <li>-Freshwater</li> <li>-Relations with Aboriginals</li> <li>-Hazardous Waste</li> <li>-Ocean management</li> <li>-Toxic Chemicals</li> <li>-Human Health &amp; Environment</li> <li>-Human Settlements</li> </ul> <p>Details of activities to be finalised by ministers, May 12, 1993. None specifically directed specifically at technology. Activities to focus on harmonizing provincial standards, regulations &amp; environmental decision-making.</p>	<p>Involves all provincial ministers of Environment, including Territories.</p>	<p>Sheldon McLeod Strategic Planning CCME Secretariat Tel: (204) 948-2090 Fax: (204) 948-2125</p>

<b>Manitoba</b> <ul style="list-style-type: none"> <li>• Environmental Industries Development</li> <li>• Sustainable Development Innovation Fund</li> </ul>	<p>Supports commercialization &amp; market development of environmental technology and processes.</p> <p>Promote sustainable development projects.</p>	<p>Provides up to \$25,000 assistance to business bringing new environmental/process to market</p> <p>Broad support for sustainable development eg; Youth environment projects, community recycling projects, agricultural conservation projects, water conservation projects.</p>	<p>Manitoba Department of Industry &amp; Tourism.</p>	<p>Dave Woytowich Manitoba Department of Industry &amp; Tourism Tel: (204) 945-1010</p> <p>Bob Sojucj Premier's Office Manitoba Tel: (204) 945-7209</p>
<b>New Brunswick</b> <ul style="list-style-type: none"> <li>• Environmental Trust Fund</li> </ul>	<p>Support non-commercial environmental innovation.</p>	<p>Activities included; assist initiative and research leading environmental innovation.</p>	<p>Government of New Brunswick. Must have a sponsoring department (eg. Environment or Economic Development &amp; Tourism) to qualify for funding</p>	<p>Steve Weekly, Department of Economic Development and Tourism Tel: (506) 453-2111</p>
<b>Newfoundland</b> <p>Provincial government does not have a Environmental technology development strategy.</p> <ul style="list-style-type: none"> <li>• Newfoundland Environmental Industry Association</li> <li>• Canadian Centre for Fisheries Innovation</li> </ul>	<p>To act collectively to promote the growth of the environmental industry in Newfoundland and Labrador and the rest of Canada. has 42 private sector members.</p> <p>- Aims to mobilize resources and manpower of two founding institutions to work closely with fishing industry to meet scientific and technological challenges. Also searches for solutions to problems in other fishing countries.</p>	<p>Promotes the environmental industry in Newfoundland through participation in trade shows, seminars, and workshops, environmental auditing and treatment of contaminated solid and groundwater.</p> <p>- Activities in the R&amp;D, demonstration and technology transfer in harvesting, processing, aquaculture and equipment development.</p>	<p>Funded by: Canada/Newfoundland Strategic Investment and Industrial Development Cooperation (SIID) Agreement.</p> <p>-Newfoundland and Labrador Institute of Fisheries and Marine Technology and Memorial University.</p>	<p>Elizabeth Atkinson Executive Director Newfoundland Environmental Industry Association Box 43, Atlantic Place Suite 602, 215 Water Street St. John's Newfoundland A1C 6C9 Tel: (709) 722-3786 Fax: (709) 722-3879</p> <p>David King Managing Director PO Box 4920 St. John's, Newfoundland Tel: (709) 778-0517 Fax: (709) 7780516</p>



<p><b>Nova Scotia</b></p> <ul style="list-style-type: none"> <li>• Canada-Nova Scotia Sustainable Economic Development Agreement, 1991. (SEDA).</li> <li>• Environmental Test Centre Atlantic (ETC Atlantic)</li> </ul>	<p>To move towards achieving sustainable development, while taking advantage of business and economic priorities.</p> <p>- Multi-purpose laboratory providing a wide range of testing and evaluation services to Atlantic Canadian and other manufactures.</p>	<p>Assistance to business in the acquisition &amp; commercialization of environmental technologies. Centre of Excellence on Sustainable Economic development focusing on the Atlantic Canada environment. Assisted by IISD. Demonstration Projects. Program Development and Implementation Activities 1992 include; testing a wood furnace, refining sustainable housing manual. -Testing of products under simulated environmental conditions, consulting services in the commercialization of products.</p>	<p>Funded through ACOA, total \$15 million split, 60 % federal, 40 % provincial.</p> <p>Operated by Nova Scotia Research Foundation</p>	<p>Brad Hodgins SEDA Secretariat Tel: (902) 424-2177 Fax: (902) 426-6434</p> <p>Neil P. Richter Manager, ETC Atlantic 101 Research Drive PO Box 790 Dartmouth, Nova Scotia Tel: (902) 424-8670 Fax: (902) 465-7384</p>
<p><b>Ontario</b></p> <ul style="list-style-type: none"> <li>• Environmental Technologies Programs</li> </ul>	<p>Coordinate and promote internal research projects of the ministry and foster the development of innovative environmental protection technologies</p> <p>Three programs administered by the branch:</p> <ul style="list-style-type: none"> <li>Environmental Research Program</li> <li>Environmental Technologies Program</li> <li>Environmental Education and Awareness Program</li> </ul>	<p>Key research directions for 1993 focus on pollution prevention, multimedia considerations and zero discharge.</p> <p>Specials areas of activity have included; solid waste disposal, groundwater contamination and industrial and institutional wastes and effluent. (This program budget was reduced by \$7million in recent cuts by the government)</p>	<p>Research and Technology Branch of Environment Ontario</p>	<p>Don Valery Manager Environmental Technologies Development Research And Technologies Branch Ministry of the Environment 135 St. Clair Ave. W. 5th Floor Toronto, Ontario, M4V 1P5 Tel: (416) 323-4476 Fax: (416) 323-4437</p>
<p><b>Ontario Environmental Training Consortium</b></p>	<p>Consortium to provide a focused and integrated approach to environmental technology training.</p>	<p>Course offerings include; Activated Sludge Workshops, Basic Wastewater treatment.</p>	<p>Ontario Ministry of Environment, Training and Certification Section, the Ontario Colleges of Applied Arts and Technology.</p>	<p>Collen Shea O.E.T.C. 135 fennell Ave. Box 2034 Hamilton, Ontario L8N 3T2 Tel: 1-800-563-6555 Fax: (416) 575-2434</p>

<b>ORTECH International</b>	Applied technical organization serving the public and private sectors with client base of manufacturers, service sectors and governments.	Focused on R&D, activities include environmental management. Working relationships with, eg. Fraunhofer Institute, PERA, Batelle Memorial Institute, SRI International and Kyoto Research Park.	Independent organization formed from the Ontario government	Thomas E. Kingry Manager, Corporate Communications ORTECH International Sheridan Park Research Community 2395 Speakman Drive Mississauga, Ontario L5K 1B3 Tel: (416) 822-4111 Fax: (416) 823-1446
<b>Ontario International Corporation</b>	Agency of the Ministry of Economy and trade. Assists in the marketing and export of professional consulting services, including environmental services.	Has not made a specific response to Rio/Agenda 21. Activities are organized by geographic area, not activity.	Ontario Ministry of Economic Development and trade.	Free Sheely Tel: (416) 314-8243
<b>Quebec</b> ● Recherche et Développement pour petits et moyen entreprises (RDPMME) ● VISA program for pre-competitive R&D	Quebec Ministry of Environment appears to have been the only provincial government to tackle Agenda 21 in depth. Department of Industry and Department of Environment both have environmental industry incentive programs.	Responded to Rio with interdepartmental meetings and review of Rio document to assess where their current activities meet or fall short of Agenda 21.	Quebec Ministry of the Environment	M. Yvon Gosselin Director Research Development Programs Ministère de l'Environnement 3900 rue de Marly Ste-Foy, PQ G1X 4E4 tel: (418) 643-2073
<b>Saskatchewan</b> ● Environment Technology Development Program	Funds small-scale environmental technology innovation Department of Agriculture also has a soil conservation program.			Royal Hinder Saskatchewan Economic Development Tel: (309) 933-7209

## Canadian Universities

University	Department	Activities	Major Supporters/Affiliations	Contact Point
Brock University	Institute of Urban & Environmental Studies Offering undergraduate degrees, B.A./B.Sc., co-op programs.	Focusing on urban environments; recycling, waste management, parks & recreation, land development.		John Middleton Director, Institute of Urban & Environmental Studies Brock University St. Catharines, Ontario L2S 3A1 Tel: (416) 688-5550, ext. 3292
Carleton University	Undergraduate degree in Environmental Science	Recent research projects include; 3 year pilot project to study sustainability of traditional farming systems in parts of Ethiopia. Will help preserve crops genetic diversity and contribute to the planning of future farming strategies	Funded with \$35 500 grant from IDRC	Gary Mirriam Biology dept/Environmental Science Carleton University Ottawa, Ontario K1S 5B6 Tel: (613) 788-3859
Dalhousie University	The School for Resource & Environmental Studies (forms part of the Faculty of Management), interdisciplinary program offering M.E.S., Ph.D	R&D Activities: Main research interests include threats to coastal areas, environmental impact assessment, sustainable development, expert systems in environmental & natural resource management. International activities include; Environmental Management Development Project in Indonesia (CIDA), the Caribbean & the Philippines.	CIDA; School of Public Administration; Lester Pearson Institute for International Development.	Gordon Beanlands Director, The School for Environmental and Resource Studies Dalhousie University Halifax, Nova Scotia B3H 3J5 Tel: (902) 494-3632 Fax: (902) 494-3728

McGill University	<p>Almost every faculty is involved in studies relating to the environment, with identified graduate &amp; undergraduate programs in the faculties of Agricultural &amp; Environment Studies, Arts, Engineering, Medicine, Graduate Studies &amp; Research.</p>	<p>Interdisciplinary environmental research is concentrated in 4 areas;</p> <p>(i) Sustainable Agriculture &amp; renewable resources. Faculty of Agriculture &amp; Environmental Science</p> <p>- Most active research areas are;</p> <p>water quality; climate change;</p> <p>Biodiversity and sustainable practises in agriculture, forestry and fisheries.</p> <p>Related research in renewable resources with focus on resource conservation, soil erosivity and acid deposition in forest ecosystems.</p> <p>Activities emphasize cooperation with developing countries.</p> <p>(ii) Climate and Global Change - Major areas of related research; Climate change modelling; global change monitoring; energy and climate change; economic and social implications of climate change.</p> <p>(iii) Pollutants and Pollution Prevention Major areas of research; Environmental engineering, waste quality regarding industrial processes; Toxicology.</p> <p>(iv) Planning for sustainable development.</p>	<p>Major centres of research at McGill;</p> <p>o Centre for Climate &amp; Global Change Research - Study of interactive, physical, biological, chemical, socio-economic processes regulating global environment. Also active in studies relevant to the International Geosphere-Biosphere Program: A Study of Global Change</p> <p>o Brace Research Institute - saline water conservation for community water supply &amp; the use of water under arid conditions, renewable energy &amp; appropriate technologies in integrated rural systems.</p> <p>o Canadian Centre for Society, Technology &amp; Development - devise more effective methods for the application of S&amp;T in community development through taking account of the context of innovation.</p> <p>o Ecological Agriculture Projects (EAP) An information &amp; resource centre providing most up-to-date &amp; comprehensive analysis on what action are necessary to make agriculture sector environmentally sound.</p> <p>o Pulp &amp; Paper Research Centre - Recycled paper needs, new pulping &amp; bleaching methods to minimise pollutants, trends to more value-added paper &amp; automation.</p>	<p>McGill University 853 Sherbrooke St. W Montreal, Quebec H3A 2T6 Tel: (514) 398-3991 Fax: (514) 398-8257</p> <p>o Dr. L. A. Mysak, Director Centre for Climate &amp; Global Change Research Tel: (514) 398-3759</p> <p>o Dr. M. R. Kamal, Director Brace Research Institute Tel: (514) 398-4262</p> <p>o Dr. J. G. Galaty Canadian Centre for Society, Technology &amp; Development Tel: (514) 398-4298</p> <p>o Dr. S. B. Hill, Director Ecological Agriculture Projects (EAP) Tel: (514) 398-7909</p> <p>o Dr. T. van de Ven Director Pulp &amp; Paper Research Centre Tel: (514) 398-6180</p>
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Mount Saint Vincent University	Atlantic Centre for Environmental Science. Offering a Bachelor of Environmental Science program, establishment of Canadian Journal of Environmental Science  Institute for the Study of Women	R&D Activities; global warming & climate change, impacts of mining, coastal management, pipeline transmission systems.  Official Canadian focal point for INSTRAW. Will develop an inventory of all Women & Development curricula in Canada.		Dr. T. Day Director, Atlantic Centre for Environmental Science Mount Saint Vincent University Halifax, Nova Scotia B3M 2J6 Tel: (902) 420-5197 Fax: (902) 420-5261  Dr. Poss Institute for the Study of Women Tel: (902) 457-6569
Simon Fraser University	Faculty of Applied Science - interdisciplinary graduate program through the School of Natural Resource & Environmental Management. Focus on dynamics of natural resources, strategies & techniques of natural resource management, & biological, physical, social, economic & institutional implications of resources decisions.	Research areas cover; Forestry, fisheries, wildlife management, mining, energy, water & coastal zone management, Tourism, Parks & Recreation. Research activities of professors is particularly strong in the field of tourism. No strong emphasis on technology.		T. Gunton School of Natural Resource & Environmental Management Simon Fraser University Burnaby, British Columbia V5A 1S6 Tel: (604) 291-4659

Université du Québec	Offers a graduate degrees in water science.	Université du Québec a Montreal (UQAM) has Institut des sciences de l'environnement offering graduate degrees. Water science program offers specialized training in technological & economic aspects of waste water treatment, development problems.	Affiliated with; Institut national de la recherche scientifique, located in the Complexe scientifique du Québec with own specialized library & labs. & government labs in close proximity. Enters into contracts with public/private organizations. UQAM linked to Centre inter universitaire de recherche en toxicologie - part of National Toxicology Network (with Universities of Guelph, Saskatchewan) supporting toxicology research & encourage research in ecotoxicology.	<p>Université du Québec CP 7500, 2635, boul Hochelaga, 6e étage Ste-Foy, PQ G1V 4C7 Tel: (418) 654-2500</p> <p>René-Paul Fournier, Doyen Institut national de la recherche scientifique Tel: (418)654-2517</p> <p>Serge Carignan, Directeur des relations publique UQAM Tel: 9514) 987-4717</p>
University of British Columbia Sustainable Development Research Institute	Established 1991 following the recommendation of the BC Task Force on Environment and Economy and the resultant report, "Sustaining the Living Land". (1989). Coordinates interdisciplinary research and information dissemination on regional and global issues linked to sustainable development and environment.	Activities include; acting as a vehicle for the development and coordination of sustainable development initiatives on campus; encouraging & coordinating interdisciplinary collaboration among faculty, departments and centres at UBC undertaking environmental research; coordinates proposed and ongoing research programs; submits proposals for external funding; no programs of study offered.		<p>University of British Columbia 204-2075 Westbrook Mall Vancouver, British Columbia V6T 1Z1 Tel: (604) 822-3014 Fax: (604) 822-3599</p>

University of Calgary	Faculty of Environmental Design. 24 full time faculty members. Graduate courses offered with objectives to achieve a better understanding of environmental issues.	R&D Activities; Impact assessment for government decentralization projects & major development projects in Alberta, currently exploring exchange & other cooperative arrangements with other universities & institutions in third world countries. University has been invited to join some 20 institutions in Mexico, Canada and the US in 3 year pilot project to organize student exchanges in engineering, management and environmental science.	Maintains close association with the Kanaskis Centre for Environmental Research. Institute of International Education; US Fund for the Improvement of Secondary Education.	Shelagh Deck, Student Programmes Officer Faculty of Environmental Design University of Calgary 2500 University Drive N.W. Calgary, Alberta T2N 1N4 Tel: (403) 220-5098
University of Guelph	University of Guelph is Canada's third most research-intensive university, fundamental & applied research conducted on campus & university's research park. Faculty of Environmental Sciences; offers undergraduate B.Sc.. At graduate level, environmental research has traditionally been in the natural sciences, sustainable agriculture, management of natural resources.	R&D Activities; Currently involved in \$30 million in projects of assistance around the world, including the Sulawesi Project in Indonesia. R&D crosses all departments, including engineering, Resource & Environmental Economics, Rural Extension Studies		Graduate programs University of Guelph Guelph, Ontario N1G 2W1 Tel: (519) 824-4120
University of Regina		Hosted the International Atomic Energy's 1992 training program on uranium in the environment. Four-month long course emphasizes the environmental impact of uranium mining	United Nations	The University of Regina Regina, Saskatchewan S4S 0A2
University of Saskatchewan		Launched Phase II of project to transfer technology to SME's in Thailand's priority sectors	The University of Saskatchewan; Saskatchewan Research Council; Thailand's Department of Industrial Promotion.	The University of Saskatchewan Saskatoon, Saskatchewan S7N 0W0

University of Toronto	Institute for Environmental Studies offers Master level degrees with nine collaborating departments. Major emphasis in sustainable development, especially redevelopment of abused ecosystems, global change/climate change, environment & human health, especially as affected by toxic contaminants.	R&D Activities; Quality of the environment, environmental & resource management, China Environment & Resource Research Program promotes collaborative research between Chinese & Canadian institutions. Field studies are carried out in Canada.	Institute has close ties with Canada Centre for Inland Waters, Atmospheric Environment Service Headquarters, Ontario government labs.	A. P. Grima Associate Director, Graduate Coordinator Institute for Environmental Studies University of Toronto Toronto, Ontario M5S 1A1 Tel: (416) 978-7077
University of Waterloo	Faculty of Environmental Studies comprises the School of Architecture, School of Urban & Regional Planning, the Department of Geography. Three broad interest areas; natural & cultural processes at work in the environment; the effects of human intervention in the environment; planning, management & design. Graduate & undergraduate programs available.	R&D Activities: sustainable environment & resource systems, environmental, social & technological impact assessment, natural area management.		B. Yeaman Assistant to the Associate Dean Faculty of Environmental Studies University of Waterloo Waterloo, Ontario N2L 3G1 Tel: (519) 885-1211, ext. 3459
University of Windsor	Geology Department	Research to identify methods to help retain surface water in a section of the Deccan Trap Plateau where the low permeability of the basaltic bedrock prevents it from holding sufficient water for domestic and agriculture use during the dry season.	Bharatiya Agro-Industries Foundation of India, IDRC	University of Windsor Windsor, Ontario N9B 3P4



York University	Faculty of Environmental Studies, offering graduate & undergraduate programs. Graduate program largest of its kind in Canada. Focuses on environmental policy & action, global development, nature, technology & society, human settlement & population.	R&D Activities; Women, Environment & Development Research Network, Environment Research Network, Asian Institute of Technology Partnership Program.	Joint projects with University of Waterloo - University Consortium on the Environment (Canada/Indonesia), University of Nairobi/York University Development Planning Human Resources Development Project, Kenya Canada Energy Advisors Project, a joint project with Ontario Hydro and Canadian Institute for the Environment.	Joanne Nonnekes Acting Coordinator Faculty of Environmental Studies York University York, Ontario M3J 1P3 Tel: (416) 736-2100
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In 1991, there was the promise of substantial funding for universities from the Federal Governments "Green Plan" to be administered by the three federal granting councils: (Medical, Science and Engineering, and Social) with the Social Sciences and Humanities Research Council taking the lead. There is also the promise of endowed chairs at the universities.

## Bilateral Donor Agencies

Organization	Mandate	Activities	Major Supporters	Contact Point
Agency for International Development (AID or USAID)	Promotes sustainable agriculture, natural resources management, & environmentally sound economic development. Also focusing on Science & Technology in the service of sustainable development. Office of research runs Program in Science and Technology Cooperation, includes focus on environment and global change.	Activities in S&T cut across all research areas, health, population, agriculture, technology transfer to reduce global environmental problems & climate change through tackling energy technology, eg. Biomass studies. Funding for environmental programs within S&T budget will increase in future.		AID Office of Research Room 320, SA-18 Washington, DC USA, 20523-1818 Tel: (703) 875-4444 Fax: (703) 875-4394
Bundesforschungsanstalt für Wirtschaftliche Zusammenarbeit (BMZ) (Federal Ministry for Economic Cooperation)	Responsible for international development assistance.	Includes an Environmental Section		Friedrick-Ebert-Allee 114-116 D-5300 Bonn Tel: 49-228 5351 Fax: 49-228 535202
Canadian International Development Agency (CIDA)		Includes a Natural Resources Branch and an Office of Environmental and Development Policy within its Policy Branch	Canadian Federal government	200 Promenade du Portage Hull, Quebec K1A 0G4 Tel: (819) 997-6100

Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ)	<p>GTZ is Germany's public corporation for development. Its mission is to improve the fundamentals of human existence in partner countries and stabilize the natural conditions for life. GTZ operates within the scope of the German Federal Government's development policy. The ultimate aim is to; encourage individual initiative, enabling people in partnership countries to improve their living conditions through their own efforts.</p>	<p>Activity Areas: Alleviation of poverty and environmental degradation &amp; structural factors which cause them; conservation of natural resources; education &amp; training. Technical co-operation - aims to enhance manpower and organizational efficiency. Financial co-operation - providing capital necessary to access and enhance productive capacity &amp; improve economic and social infrastructure. Technical tasks include; specialist planning and implementation, steering and monitoring of technical co-operation projects and programs; providing advice to public and private organizations, both domestic and international; planning and implementing project-oriented training and up-grading measures; and planning technical specifications of materials and equipment.</p>	<p>Reports to the Federal Ministry for Economic Cooperation (BMZ) which sets the development policy to be implemented by GTZ.</p>	<p>German Agency for Technical Co-operation Eschborn, Germany Tel: 6-1-96790 Fax: 6-1-96 79-1115</p>
Deutsche Stiftung für Internationale Entwicklung (DSE) German Foundation for International Development	<p>To foster the relations between the Federal Republic of Germany and the developing countries on the basis of a mutual exchange of experience.</p>	<p>DES conducts seminars, conferences and training programmes to support the efforts of African, Asian and Latin American countries in the field of social and economic development.</p>	<p>Established by the Federal and Land governments.</p>	<p>Director General DSE Rauchstrasse 2 D-1000, Berlin Tel: 30-3603-1</p>
Institut Français de Recherche Scientifique pour le Développement en Coopération (ORSTOM)	<p>Action-oriented research on natural resource management &amp; environmental protection.</p>	<p>Research in 45 developing countries emphasizing former French possessions.</p>		<p>213 rue La Fayette F-75010 Paris Cédex 10 Tel: 33-1-4803 77 77</p>
International Development Centre of Japan (IDCJ)	<p>A think tank specializing in international development policy, provides training courses, policy consulting and serves as a research institute.</p>		<p>Founded in 1971 with the support of the Japanese Government as a non-profit institution with contributions from the private sector.</p>	<p>IDCJ Kyofuku Bldg 9-11, Tomioka 2-chome Koto-ku, Tokyo 135 Japan Tel: 3-630-6911 Fax: 3-630-8120</p>

Japan International Cooperation Agency (JICA)	Basic objective is to develop human resources to lead nation-building activities in developing countries. Of bilateral grants JICA carries out about 70 % of all Japan's bilateral activities in technical cooperation and assists in the implementation of grant aid cooperation. Does not do research, but does do studies of impact of own work. Policy set by the Foreign Affairs Ministry.	Involved in general grant aid; grant aid for fisheries; grant aid for increased food production. Cooperation programmes implemented through acceptance of trainees, dispatch of experts and development surveys. Has increased attention to environment since 1989, and is assisting in the establishment of The Environmental Study and Training Centre in Thailand.	2-1-1 Nishi-Shinjuku Shinjuku-ku, Tokyo 130 Tel: 81-3-3346-5311
Overseas Development Administration (ODA)	Part of the Foreign and Commonwealth Office is the British Government Department responsible for Britain's program for development assistance overseas.	Includes a Natural Resources and Environment Department (NRED) oversees the ODA's policy on environmental issues and several centres concerned with natural resources, including the Natural Resource Institute (NRI) - the scientific arm of the ODA providing research/advice on technical aspects. Activities include; assisting developing countries meet the Montreal Protocols, initiated a Forestry Initiative, a focus on irrigation & energy conservation.	Eland House Stag Place London SW1E 5DH Tel: 44-71-273 3000
Swedish Agency for Research Cooperation with Developing Countries (SAREC)	Research which can support the developing countries in their efforts to achieve self-reliance and economic and social justice.		Box 16140 S-103 23 Stockholm Tel: 46-8-791 21 00 Fax: 46-8-791 21 99
Swedish International Development Authority (SIDA)	Responsible for Sweden's bilateral development assistance program.	Development assistance to the poorest developing countries in Africa, Central America, South and Southeast Asia. Priority areas in 1992 included; projects to safeguard the environment and projects to strengthen the role of women.	S-105 25 Stockholm Tel: 46- 8-728 51 00 Fax: 46-8-673 21 41

## Environment & Technology - United Nations

Organization	"Mandate"/Goals	Activities	Major Supporters	Contact Point
Commission on the Status of Women (CSW)	Commission established by ECOSOC in 1946 to prepare reports to ECOSOC on matters concerning the promotion of women's rights in the political, economic and educational fields. Has a five-member working group to consider confidential and non-confidential communications on the status of women, trends & patterns of discrimination indicated by communications. Meets in closed meetings.	Serving as the preparatory body for Fourth World Conference on Women. Also served as preparatory body for the Nairobi conference in 1985.		Secretary Nora Benary C/O Division for the Advancement of Women, UNOV/CSDAHA UN Office at Vienna Vienna International Centre PO Box 500, A-1400 Wien Austria Tel: 43-1-26310 Fax: 43-1-232156
Commission on Sustainable Development (CSD)	Monitors the national and international progress of the implementation of Agenda 21 and integrating its principles throughout the UN system. To receive and analyses relevant input from the NGO community.	March, 1993 CSD grouped Agenda 21 into 9 thematic clusters for consideration over the next three years, including transfer of environmentally friendly technologies. Will be developed for consideration at the first substantive meeting of the CSD in 14-25, June, 1993.	Reports to the Economic and Social Council. Consists of representatives of States elected as members with due regard for equitable geographic distribution.	CSD Department of Policy Coordination and Sustainable Development Room S-3060 United Nations New York, New York 10017 Tel: (212) 963-5959
Economic and Social Commission for Asia and the Pacific (ESCAP)	ESCAP was formed to initiate and facilitate action for the development (including social) of Asia and the Pacific. Aim to raise level of economic activity and standard of living; to maintain and strengthen the economic relations of countries and territories in Asia and Pacific among themselves and globally.	Activities; Agriculture and rural development; Environment; Development planning; Statistics; Industrial development; Science and technology; Human settlements; Natural resources and energy; Population; Has recently been involved in number of projects concerning water & sanitation issues.		Mr. Kazi A. Rahman Special Assistant to the Executive Secretary and Secretary of the Commission Office 1508A United Nations Building Rajadamnern Avenue Bangkok, 10200, Thailand. Tel: 66-2-289161, ext 1902/1912

Economic and Social Commission for Western Asia (ESCWA)	ESCWA was formed to assist in economic and social development of western Asia and to strengthen economic relations among the countries of the region. ESCWA has an Environment and Human Settlements Division overseeing integration of environment and development issues through policy formulation, capacity building, assistance with transboundary environmental problems.	Activities include; Development planning; Agriculture; Natural resources, science and technology; Human settlements; Transport communications and tourism; Social development and population; Statistics; Technical co-operation; Planning and co-ordination; Environment and Information.	Mr. Nejib Friji Information Officer ESCWA PO Box 927115, Shmeisani Area Amman Jordan Tel: 9626-694-351, (ext. 706) Fax: 9626-694-981
Food and Agriculture Organization of the United Nations (FAO)	Aims to raise levels of nutrition and standards of living: to secure improvements in the efficiency of production and distribution of all agricultural products; and to better the condition of the rural population. Achieved through providing an information service, appraisals and forecasts of production, distribution and consumption; promoting national and international action towards the improvement of all aspects of the production, marketing, processing, and distribution, and consumption; Providing technical assistance.	Activities; Agriculture; Agrarian reform and rural development; Commodities and trade; Co-operatives; Employment; Environment; Fisheries; Food; Forestry; Health; Land and water; Nutrition; Population; Women.	Edouard Saoume Director General Viale delle Terme di Caracalla 00100 Roma Italy Tel: 39-6-57971
International Labour Organization (ILO)	Mandate to raise the working and living standards throughout the world; to further among nations programs; to achieve full employment; employment of workers in jobs for which they are best suited; provision of facilities to train and transfer workers; to ensure the effective recognition of the right to collective bargaining.	Activities include; Co-operatives; Employment and development; Small scale industry development; Occupational health & safety; Population; Training; Vocational rehabilitation; Women; Working & living conditions and environment.	Mr. Cesare Polini, Director Workers' Education Branch ILO 4, chemin des Morillons CH-1211 Geneva 22 Switzerland Tel: 41-22-799-6111

United Nations Children's Fund (UNICEF)	Development Programme for Women.	<p>Programme is working in drought-threatened countries and working for household food security with drought-resistant indigenous food. Other action are; using fuel-efficient stoves, smoke-free stoves, solar stoves and biogas; supporting environmentally-friendly food and nutrition systems in terms of appropriate technology; solar-pumps and other appropriate technologies; formal and non-formal education for environmental issues.</p>		<p>James P. Grant Executive Director UNICEF UNICEF House 3, United Nations Plaza New York, New York 10017 Tel: (212) 326-7000</p>
United Nations Development Fund for Women (UNIFEM)	<p>UNIFEM established under the authority of UNDP to serve as a catalyst in ensuring the appropriate involvement of women in mainstream development activities and to support innovative and experimental activities benefiting women. Presenting encouraging a reorientation in thinking about women's role in science and technology, as designers, producers and disseminators of environmentally sound-technologies.</p>	<p>(i) Women as Inventors Documenting women's contribution as inventors and grassroots women's technical knowledge. (ii) Technology Sourcebooks Incorporate women's concerns into mainstream and link scientist's skills with grassroots women's needs through 10 sourcebooks to empower women. (iii) S&amp;T Questionnaire October, 1992 UNIFEM circulated questionnaire on women, science and technology. To be used in planning Fourth Women's World Conference, Beijing, 1995.</p>	<p>(i) International Federation of Inventors Associations (IFIA) and Intermediate Technology Development Group. Sourcebook to be published 1993 by UNIFEM. (ii) International Federation for Advanced Studies (IFIAS)</p>	<p>(i) Dr. Marilyn Carr UNIFEM 304 East 45th Street, 6th Floor New York, NY 10017 Tel: 1-212-906-6289 Fax: 1-212-906-6705</p>

United Nations Development Program (UNDP)	<p>Linked to the UNGA and ECOSOC. Assists developing countries in promoting human development and the capacity to manage their economies. UNDP's major post-Rio initiative is Capacity 21, aimed at assisting developing countries in drafting national Agenda 21 follow-up strategies. Inter-Agency Meeting was called by UNDP in February, 1993 to discuss UN agency collaboration on Capacity 21. Will produce a flyer to guide UN agencies inputs into the project.</p>	<p>(i) Canada active in sharing expertise in creating a national strategy for sustainable development. "Capacity 21", a three-year UNDP pilot project to assist developing countries in preparing their own national sustainable development plans.</p> <p>(ii) Sustainable Development Network. Links governmental, NGO, grassroots and entrepreneurial organizations.</p>	<p>Canada and other nations supporting the UNDP. Canada contributing \$2 million of an \$8 million total budget for Capacity 21.</p>	<p>Karen Jorgensen Environment Meeting Advisor United Nations Development Program One United Nations Plaza New York, NY 10017 USA Tel: 212-906-5000 Fax: 212-906-6947</p>
United Nations Educational Scientific and Cultural Organization (UNESCO)	<p>UNESCO promotes collaboration among nations through education, science and culture and communications. It promotes the use of popular education and the spread of culture. It also maintains, increases and diffuses knowledge.</p>	<p>Main activities: Earth sciences; Education and literacy; Energy resources; Environment; Marine sciences; Population; Rural development; Water sciences; Women; Youth</p> <p>UNESCO Environment &amp; Development Briefs - launched mid-1991 intended to improve communication of scientific information about environment &amp; development to decision makers. An early brief dealt with "New Technologies". Briefs include useful addresses and references.</p>		<p>Briefs can be obtained from Bureau for the Coordination of Environmental Programmes UNESCO 7 place de Fontenoy, F-75700 Paris, France Tel: 33-1-45-68-10-00 Fax: 33-1-45-66-90-96</p>



<p>United Nations Environment Program (UNEP)</p>	<p>Coordinates and stimulate environmental action within the UN system. It has a distinct role from UNDP and other organisations which fund development activities directly. Agenda 21 calls for a strengthening of UNEP and links the Sustainable Development Commission to UNEP.</p>	<p>(i) Information programs include the Global Environmental Information Systems (GEMS) (Operated through Earthwatch), the International Environmental System (INFOTERRA) (ii) Industry and Environment Office (IEO-UNEP). Brings together industry, government and NGO's to work towards environmentally sound industrial development. Promotes use of safe, low/non-waste technologies (LNWT). Exchanges of information worldwide through International Cleaner Production Clearing House (ICPIC) -information system with 600 technology and program case studies. (iv) Pilot programme established to provide grants/low-interest loans for environmental management, in areas of protection of atmosphere, biological diversity, ozone layer and of international bodies of water.</p>	<p>Co-sponsor along with World Bank and the United Nations Environment Programme of the Global Environmental facility.</p>	<p>UNEP PO Box 30552 Nairobi Kenya Tel: 254-2-333930, ext 4311 Fax: 254-2-520883</p> <p>United Nations Environment Program Industry and Environment Office Tour Mirabeau 39-43, Quai Andre Citroen Paris, CEDEX 15 75739 France Tel: 33-1-40-58-88-58 Fax: 33-1-40-58-88-88/74</p>
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<p>United Nations Industrial Development Organization (UNIDO)</p>	<p>Promotes Industrial Development in developing countries. Also promotes industrial development &amp; co-operation on global, regional and sectoral levels. UNIDO assists in establishing and operating industries; act as an instrument to serve developing and industrialized countries in their contacts, consultations and negotiations; and develop special measures to promote coordination between developing countries and developed countries. In the process of orienting its activities towards implementation of Agenda 21.</p>	<p>Advisory service on policy and programs on industrialization of developing countries, including: Area programs covering all geographic areas; global and interregional programs and projects. Also assists in promotion of basic technologies for sustainable development; Industrial and Technical information. Has programs on Clean Technologies and Biosafety. UNIDO's response to Agenda 21 is detailed in document IDB.10/32, which contains the Director-General's report to the Board in Nov. 1993. Document consists of following chapters; Sustainable development in industry; Utilization of UNIDO programme instruments to implement Agenda 21; Financial and institutional mechanisms for responding to Agenda 21.</p>		<p>The Director Technology Development and Promotion Division UNIDO Vienna International Centre PO Box 300 A-1400 Vienna, Austria Tel: 43-222-21131 Fax: 43-222-230-7584  K. Venkataraman Director, Industrial Technology Development Division Tel: 43-222-21131, ext. 3728</p>
<p>United Nations Institute for Training and Research (UNITAR)</p>	<p>Based on Agenda 21, the Encompass Programme aims to establish and enhance national capabilities for managing environmental and natural resources, monitoring change, carrying out impact assessments, analyzing information and providing guidance to the policy making process to support sustainable development process and research. Primary emphasis of the project is the transfer of technology to guide, on a scientific basis, the decision-making and policy making process.</p>	<p>Phased implementation of activities targeted at the rate of approximately 100 countries in 10 years. Phases; Review of requirements and methodologies &amp; technologies; Hardware specifications, integrated, standardised software development and testing; Development &amp; Training; Networks for data/information exchange &amp; research; Maintenance &amp; upgrades.</p>	<p>Encompass Project initially designed, coordinated, managed and implemented by UNITAR. For the full global scale implementation of the project a consortium of international agencies, international facilities and donor countries will be necessary.</p>	<p>Mr Daniel Amiot-Priso Special Assistant to the Executive Director Executive 801 United Nations Plaza New York, NY 10017 USA Tel:(212) 963 5982  Mr. Marcel A. Boisard Director Unitar European Office Palais des Nations CH-1211, Geneva 10 Switzerland Tel: 41-21-798 5850, ext. 246</p>

United Nations Research Institute for Social Development (UNRISD)	UNRISD is responsible for carrying out international research on problems and policy of social development, in different phases of economic development.	Activities; Environment, sustainable development and social change; Food policy and marketing reform;	Mr. Dharam Ghai, Director Palais de Nations CH-1211, Geneva 10 Switzerland Tel: 41-22-798-8400
United Nations University (UNU)	<p>An international community of scholars engaged in research, training and information dissemination. Promotes and stimulates understanding of development. Has training and research centres in Africa and Europe.</p> <p>Research and training centre devoted to the economic and social implications of new technologies. UNU/INTECH program comprises of three principle components; research, advanced academic training, and the dissemination of information.</p>	<p>Program areas in 1990's have a focus on sustainable development, including advances in science and technology.</p> <p>Through 1994-1995 biennium research will focus on; biotechnology, its role in development and its socio-economic consequences for LDC's; environment and the implications of new technologies for environmental quality and sustainable development; Eastern Europe, and the problems/opportunities.</p>	<p>United Nations University Toho Seimei Bldg 15-1 Shibuya 2-Chome Tokyo 150 Japan Tel: 81-3-499-2811 Fax: 81-3-499-2828</p> <p>UNU/INTECH Kapoentstraat 23 6211 KV Maastricht The Netherlands Tel: 43-210884 Fax: 43-252922</p>



## Development Banks

Organization	Mandate	Activities	Major Supporters	Contact Point
African Development Bank (AFDB) or ADB)		Socio-Environmental Policy Division is focal point of environmental matters, giving guidance on policies and operational procedures, coordinating technical tasks, reviewing projects and organizing training activities. An Environmental Policy paper, issued 1990 sets out strategies and support measures required for implementation. Bank also holds workshops to increase awareness of officials. Agreements with UNEP and IUCN, 1990, provide for cooperation in environmental training and in improvement of project quality in terms of environmental management.	51 African and 26 non-African member states.	African Development Bank PO Box 1387 Abidjan 01 Cote d'Ivoire Tel: 225-204444 Fax: 225-217471
Asian Development Bank (ADB)	An international development finance institution for the Asia-Pacific region.	Office of Environment, est. 1987 facilitates the integration of environmental planning at all levels of the Bank. Also conducts international workshops and conferences on sustainable development and environmental protection. Funds projects to promote environmentally sound development. (eg, reforestation in Nepal, strengthening national environmental protection agency in China).	Members are governments of 52 countries and territories in Asia and Pacific as well as Europe and North America.	Asian Development Bank PO Box 789 1099 Manila, Philippines Tel: 63-2-711-3851 Fax: 63-2-741-7961

Caribbean Development Bank (CDB)	Regional development finance institution for the Caribbean.	Emphasis on supporting industry, agriculture and infrastructure requirements. An Environmental Impact Assessment Coordinator conducts EIA training, offers technical assistance, supports integration of environmental reviews in CDB-funded projects. Establishment of an Environmental Unit is under consideration.	Members are 29 states and territories of region and 5 non-regional countries.	Caribbean Development Bank PO Box 408 Wilkey, St. Michael Barbados Tel: 1-809-431-1600 Fax: 1-809-426-7269.
Central American Bank for Economic Integration (CABEI)	Regional development finance institution for Central America.	Bank has been implementing an Environmental Planning and Analysis System to introduce the environmental dimension in the financial planning process.	Members are governments of Costa Rica, El Salvador, Guatemala, Honduras and Nicaragua.	CABEI Apartado Postal 772 Tegucigalpa, Honduras Tel: 504-222230
Inter-American Development Bank (IDB)	Multi-lateral financial institution for socioeconomic development of Latin American and the Caribbean.	An Environmental Protection Division, created in 1990 supports the Environmental Committee, an IDB senior management committee. The Division undertakes environmental classification and reviews all Bank operations and developing projects that have environmental protection as their primary goal. 1992 Annual report stressed need for countries to have access to "clean technologies" and to develop indigenous technologies. Bank lent \$1 billion for environmental protection in 1992. In Brazil a national environment fund will provide financing to grassroots/ NGO's.	Members are 44 governments of region and elsewhere.	IDB 1300 New York Avenue, NW Washington, DC 20577 USA Tel: 202-623-1000 Fax: 202-623-3069

World Bank (International Bank for Reconstruction and Development)	<p>Conducts research to support operational work and respond to development issues facing members. Environment Department focuses on policy and operational environmental units located within each major geographic division. Assumes special initiatives such as Global Environmental Facility (GEF) funding projects addressing global environmental problems.</p>	<p>(i) Research conducted in 1992 explored policies that have negative environmental results.  (ii) A background paper called <i>Development and the Environment: Agenda 21 and the World Bank Response</i>, prepared for the UNGA summarizes the Bank's positions and priorities for UNCED follow-up.  (iii) Other activities include:  Appropriate technology for water supply and sanitation: a sanitation field manual, sugar bio-energy technology project (Mauritius), supports regional initiatives such as the African Environmental Action Plan.</p>	<p>World Bank Group and Global Environment Facility Trust Fund Grant</p>	<p>World Bank  1818 H St. N. W.  Washington, DC. 20433  USA  Tel: 202-477-1234  Fax: 202-334-8750/473-3117</p> <p>Background paper available from:  World Bank,  Office of the Special Representative to the United Nations  809 United Nations Plaza, Suite 900  New York, New York  10017  Tel: (212) 963-6003  Fax: (212) 697-7020</p>
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# Non-Governmental Organizations, International Non-Governmental Organizations and Endowment Foundations

Organization	"Mandate"/Goals	Activities	Major Supporters	Contact Point
African Centre for Technology Studies (ACTS)	Identifies policy options for promoting technological innovation in sustainable development. Primary objective is to prepare the intellectual basis and institutional infrastructure for the implementation of the UNCED recommendations and other relevant sustainable development themes. Facilitates networking among African and European researchers and policy-makers working on sustainable development issues.			ACTS PO Box 45917 Nairobi Kenya Tel: 245-2-744-047/095
Appropriate Technology International (ATI)	Mandate to increase the sustainable productivity and well-being of poor in less developed countries by promoting the manufacturing of technologies suited to needs, resources and constraints. Objectives in carrying out this mandate include; maintain or enhance environmental quality and the sustainable use of natural resources. Identifies and bridges gaps in knowledge and availability of technologies, financing, and organizational capacity to foster commercially viable and environmentally sustainable development.	Four priority program areas; commercialization of productive technology; commodity sector approach with interventions at multiple levels of production, processing and marketing; alternative financing mechanisms; and resource management and sustainable livelihoods in fragile environments. ATI will enhance the environment/natural resources dimension 1991-1995. Particular attention to informal sector and disadvantaged groups including women.	Presently has a Cooperative Agreement with A.I.D. Raises funds itself and seeks to fund-raise with local NGO's.	ATI 1331 H St. NW Washington, DC. 20005 USA Tel: 202-879-2900 Fax: 202 628-4622



<b>Asian Institute of Technology</b>	Provides research aimed towards the solution of technological problems relevant to Asia.	Offers specialized information services such as the Environmental Sanitation Centre and the Renewable Energy Resources Information Centre.	Currently involved in joint projects with the York University, Ontario, Canada.	Prof. Alastair M. North, President Asian Institute of Technology PO Box 2754 Bangkok, Thailand Tel: 2-529-0041 Fax: 2-529-0374
<b>Banff Centre for Management</b>	Offers programs in resource and environmental management.	Activities include; technical courses; industrial and hazardous waste management, geographic information systems (GIS), tools for sustainable development.		Banff Centre for Management Box 1020 Banff, Alberta Canada T0L 0C0 Tel: (403) 762-6130 Fax: (403) 762-6422.
<b>Board on Science and Technology for International Development (BOSTID)</b>	A unit within Office for International Affairs responsible for programs with developing countries. Examines ways to apply science & technology to problems of economics & social development through overseas programs, research grants, studies, advisory committees and workshops.	Sectors include; Agriculture, education & Training, Energy, Environment, Forestry, Health & Nutrition, Infrastructure, Research & Policy Studies. All geographic areas included.	Part of the National Research Council, a private, nonprofit organization. Primary support for BOSTID is from AID, funds also received from; the Carnegie Foundation, Rockefeller Foundation and the International Foundation.	BOSTID Office of International Affairs National Research Council Washington, DC 20412 USA Tel: 202-334-2633
<b>Canadian Environmental Training Initiative</b>	Drawing on Canada's expertise, the program offers a technology training program to other nations engaged in resolving sustainable development challenges	Program offered in three modules: Module 1: Two weeks of comprehensive management training in pollution control/prevention strategies and state-of-the-art environmental technologies. Module 2: Six months of treatment facility operation and technology applications training, including three months work experience. Module 3: Long-term facility demonstration on site in each participating country and technology transfer.		Delivered by: Wastewater Technology Centre Mohawk College Canadian Colleges of Technology Canadian Municipalities & Industry Richard MacDonald c/o Wastewater Technology Centre PO Box 5068 Burlington, Ontario

Canadian Global Change Program	To ensure that global change research in Canada is cohesive, comprehensive and responsive to nation needs and international initiatives. Focuses on issues such as ozone depletion, climate change and sea level changes. Does not fund research, helps prepare proposals for granting councils.	Activities include; creation of framework committees to establish research priorities, national networking, computerised inventory of research information and the assessment of extent and nature of Canadian research activities.	Royal Society of Canada; federal government Green Plan.	Canadian Global Change Program c/o Royal Society of Canada PO Box, 9734, Ottawa, Ont Tel: (613) 991-6996 Fax: (613) 991-5639
Carnegie Foundation	Philanthropic foundation to promote the advancement and diffusion of knowledge and understanding among people of US and other areas of world.	Activities largely in the realm of education.		Carnegie Foundation 437 Madison Avenue, New York, NY 10022 Tel: 212-371-3200 Fax: 212-754-4073
Centre for Environment and Development for the Arab Region (CEDARE)	Established 1992. Assist countries of the region in meeting their aspirations sustainable development and ecologically sound resource management.		The Arab Fund for Economic and Social Development; Government of Egypt and the United Nations Development Programme (UNDP).	Centre for Environment & Development for the Arab Region c/o Dr. Nour 4 Al Hesn Street Giza Po Box 14 Orman, Giza Egypt
Centre for Environmental Technologies (CETEC)	Undertakes environmental research and development of environmental technology and information for both the public and private sector.	Provides advisory and technical services on national environmental issues to the government and private sector, identifies & undertakes research on environment, organizes & conducts seminars and training programs.	Contracts from government and private sector	CETEC 38A Jalan SS21/58 Damansara Utama 47400 Petaling Jaya, Selangor Darul Ehsan Malaysia Tel: 03-7177588 Fax: 03-7177596.

Centro Agronomico Tropical de Investigacion y Ensenanza (CATIE)	Tropical Agriculture Research and Training Centre promotes and carries out interactive research and development in Central America and Caribbean. Aims to increase and sustain agricultural productivity and development in conjunction with national institutions.	Research focuses on sustainable agriculture including agroforestry, in the context of the program on Integrated Natural Resources Management.		CATIE Turrialba Costa Rica Tel: 1-506 56-6431/0169 Fax: 1-506 56-1533.
Development Alternatives	Founded 1983, promotes grassroots activities in the area of sustainable development, focusing on development of technologies and programs to benefit the poor including low-cost construction, cooking energy and textiles.	Activities include monitoring and evaluating development programs, workshops and symposia. November, 1992, helped organize the Indian Government's NGO Consultation on Post-UNCED Rio Follow-up. Aimed to draw up a plan for implementation and identify gaps in Agenda 21.	Co-organizers in UNCED follow-up were; the Centre for Sustainable Agriculture and Rural Development; and the Centre for Environment Education.	Development Alternatives B-32 Institutional Area New Mehrauli Road Hauz Khas New Delhi 11016 India Tel: 91-11-66-53-70
Earth Council	Independent, non-governmental global ombudsman established to review and report on the performance of governments and others in implementing the UNCED accords.	Operational as of Spring, 1993. Organizing Committee met in San Jose, March, 1993. Agreed to a preliminary programme that gives effect to the Council's role as a global ombudsman on sustainable development matters. IT includes public forums, support for a "People's Agenda 21" and accelerated public information dispersal concerning progress in implementing results of Rio Summit. A new Earth Charter consisting of a basic set of principles and values will also be articulated. Currently working on an international survey of post-UNCED follow-up. Have received about 1000 from 4000 replies.	Sponsors include; International Council of Scientific Unions; World Conservation Union; Society for International Development.	Alicia Barcena Executive Director of Earth Council Organizing Committee APDO 323-10001 Paseo de los Estudiantes San Jose, Costa Rica Tel: 506-23-34-18 Fax: 506-55-21-97

<b>Ford Foundation</b>	Addresses problems and issues in US and in developing countries. Program divisions include; Urban poverty, Rural Poverty and Resources and Reproductive Health and Population.	In rural areas, the Foundation's focus is on improving management of resources to benefit poor families in ways that are economically and ecologically sound. Following UNCED, plans to support activities that address global warming, and related topics on a country, regional and worldwide basis. Grants for environmental projects will continue in former Soviet Union and Eastern Europe.	A private, independent, philanthropic institution.	Ford Foundation 320 East 43 Street New York, NY 10017 USA
<b>Foundation for Intermediate Technology</b>	Promotes the exchange of knowledge and experience in modern technologies involving the least possible environmental hazards.			W. Kieffer, Chairman Foundation for Intermediate Technology Eisenbahnstrasse 28-30 6750 Kaiserslautern, Germany Tel: 631-71778.
<b>Global Environmental and Technology Foundation (GET)</b>	Facilitates strategic thinking, consensus-building & knowledge sharing, support environmental policy development and encourage partnership building and collaboration.	Advocates sustainable development policies, encourages creation & diffusion of sustainable technologies, stimulates environmental education and shares information.		William L. Robertson President GET 7010 Little River Turnpikes Suite 290 Annandale, VA 22003 Tel: 703-750-6401 Fax: 703-750-6506
<b>Global Union for Technologies for Environmental and Sustainable Development (SATIS)</b>	An international association of research institutes, international, national and inter-governmental organisation working in the field of appropriate technological alternatives for sustainable development.	Institute assists communicators, development workers and technologists to apply development skills in science, technology and management.		SATIS BO 2664 Dakar Senegal Tel: 221-21-75-95 Fax: 221-21-26-95

Institute for African Alternatives (IFAA)	Secretariat in London with centres in African countries. Involved in publishing policy research and networking. Environment unit promotes research on environmental practise, policies and coordinate efforts of NGO's and institutions working on sustainable development issues.	Provides information on environment and development issues through conferences, courses, publications including a newsletter.	Institute for African Alternatives 23 Beveden Street London N1 6BH United Kingdom Tel: 071-251-1503 Fax: 071-253-0801
Intermediate Technology Development Group (ITDG)	Helps poor people in developing countries to develop and use technologies and methods.		Intermediate Technology Myson House Railway Terrace Rugby CV21 3HT United Kingdom (Tel: 44-71-436-9761) (Fax: 44-71-436-2013)
International Association for Impact Assessment	IAIA founded in 1981 to bring together researchers, practitioners and users of technology assessment, environmental and impact assessment. IAIA members, over 1000, reside in 50 countries.	13th annual meeting in Shanghai, China, June 11-15, 1993 - theme will be "Development and Environment". Theme triggered by UNCED.	Maurice E. Volland Executive Director International Association for Impact Assessment PO Box 70 Belhaven, North Caroline 27810 Tel: (919) 964-2338 Fax: (919) 964-2340
International Centre for Integrated Mountain Development (ICIMOD)	Promotes development of mountain communities through policies and programs integrating modern development technologies with effective and sustainable resource management of mountain ecosystems.	Focuses on the Hindu-Kush Himalayas.	ICIMOD GPO Box 3226 Katmandu Nepal Tel: 977-1 525-313 Fax: 977-1 524-5090

International Institute for Environment and Development (IIED)	Policy research institute focusing on sustainable economic development and seeking to promote sustainable development. Has sister organization in Latin America and North America.	Activities include sustainable agriculture, drylands management, forestry and land use, and human settlements. Majority of activities conducted in developing areas. Publishing through Earthscan publication.	Independent, non-profit organization.	<p>IIED 3 Endsleigh Street London WC1H 0DD United Kingdom Tel: 44-71-338-2117 Fax: 44-71-388-2826</p> <p>North American Associate WRI/CIDE 7th Floor 1709 New York Ave. NW Washington, DC 20006 USA Tel: 202-638-6300</p>
International Institute for Sustainable Development (IISD)	Promotes sustainable decision-making at all levels and within and between sectors. Institute engages in policy research and communications, focusing on programs in international trade, business strategy, national budgets and new institutions that support sustainable development. Poverty eradication is a central theme.	<ul style="list-style-type: none"> <li>- Major player in the National Stakeholders process</li> <li>- Surveying through questionnaire to governments, NGO's and other organisations, responses to the commitments of Agenda 21. Does not have a specific focus on Environment and technology</li> <li>- Earth Enterprise - examining technology transfer with Canada, US and Mexico. Brings together innovators, financiers, clients, etc. and helps in understanding of process of technology transfer.</li> <li>- Research Partnerships Project - Moving from the UNCED call to build better partnerships are using the Earth Enterprise project as a case study of how to build partnerships to accelerate sustainable development.</li> <li>- Has also produced a comprehensive <i>Sourcebook on Environmental Development</i></li> </ul>		<p>Heather Creech International Institute for Sustainable Development 161 Portage Avenue, 6th Floor Winnipeg, Manitoba R3B 0Y4 Tel: (204) 958-7700 Fax: (204) 958-7710</p>

Mazingira Institute	Concerned with equitable development and sustainability. An interdisciplinary approach to issues including; human settlements and environmental management, gender, health and environmental awareness.	Activities include; publications, distance-education program, workshops and seminars and information dissemination to primary schools, grassroots institutions and the population at large.	Not-for-profit organization	Mazingira Institute Box 4550 Nairobi Kenya Tel: 254-2-47-066 Fax: 254-2-740-524.
Regional Environmental Centre for Central and Eastern Europe	Operates under an international board of trustees, promotes regional approaches to environmental management.	Serves as a regional training ground for environmental technologies and provides advice to regions nascent NGO community	Independent not-for-profit foundation endowed by government private contributions.	Regional Environmental Centre for Central and Eastern Europe Miklos ter 1 Budapest Hungary 1035 Tel: 36-1-168-6284/8685 Fax: 36-1-168-7851
Rockefeller Brothers Fund/ Rockefeller Family Fund	Donor agency. Recipients of recent grants include the Worldwatch Institute, Resources Development Foundation and the Global Studies Centre. Includes an International Program to Support Science-Based Program. Aims to help developing countries to use and benefit from agricultural, health and population sciences and to respond to challenges to the global environment.	Established the Global Network for Environment and Development to nurture young professionals; The International Energy Initiative, offering training, analysis and technical assistance to developing countries in energy efficient activities and renewable energy sources.		Mr. Benjamin R. Shute Jr, Secretary Rockefellers Brothers Fund 1290 Ave. of the Americas, Rm 3450 New York, NY 10104 Tel: 212- 373-4200  Donald K. Ross, Director and Secretary Rockefeller Family Fund 1290 Ave. of the Americas, Rm 3450 New York, NY 10104 Tel: 212- 373-4252
Southern Networks for Environment and Development	Nairobi-based	Will organize an African NGO follow-up consultation in March, 1993 to critically examine the implications of the Earth Summit and draw up an African action plan		

Stockholm Environment Initiative (SEI)	Uses scientific and technical analysis as a point of departure for the specification of minimal harm technologies and the development of policies contributing to responsible environmental management.	A research program has been designed around the themes of environmental biosafety and issues in agricultural biotechnology for food security, developing techniques and strategies for responding to climate changes and assessing energy futures.	Swedish government	Stockholm Environmental Institute Box 2142 Jarntorget 84 S-103 103 14 Stockholm Sweden Tel: 46-8-723-0260 Fax: 46-8-723-0348
Third World Academy of Sciences (TWAS)	TWAS held Fourth General Conference, Kuwait, 23-26 November, 1992. Theme of Science in Arab Countries and Its Role in Solving Environmental Problems.	Conference aimed at strengthening South-South cooperation in the fields of science & technology. Participants reviewed the most pressing environmental problems of the region with a view to developing a comprehensive scientific action plan to help solve.  TWAS and Third World Network on Scientific Organizations plan to establish 20 International Centres for Science, Technology and the Environment in selected countries in Africa, Asia and Latin America. The Centres are to provide solutions to specific development problems in areas such as the environment. First 4 Centres to open in 1994, 16 others in 1995.	TWAS and the Third World Network of Scientific Organizations.	TWAS C/O ICTP Strada Costiera 11 PO Box 586 34100 Trieste Italy Tel: 39-40-224-0327 Fax: 39-40-224-5559
Water and Sanitation for Health (WASH)		Provides services in following areas; General Technical Assistance; Technology transfer; Manpower Development and Training and Information Support.	United States Agency for International Development, funded by the US government	Information Director WASH Project Coordination and Information Centre Room 1002 1611 North Kent St. Arlington, VA 22209 USA Tel: 703-243-8200



Winrock International	Winrock Institute for Agricultural Development	Includes; African Women Leaders in Agriculture Program aiming to use the untapped potential of women in solving Africa's food security and environmental problems.		Winrock International 1611 N. Kent St. Arlington, VA 22209 USA Tel: 703-525-9430
World Engineering Partnership for Sustainable Development (WEPSD)	Global initiative to unify engineering community to facilitate sustainable development. Aims to create a global network for engineers through technical advice & information sharing, capacity building activities, research & development, & development, dissemination & adaptation of environmentally benign technologies.	UNCED was the catalyst for the group, hosted a conference in March, 1992 and is currently evolving its long-range plans.	Founding partners; World Federation of Engineering Organization (WFEO); International Federation of Consulting Engineers (FIDIC); The International Union of Technical Association (UATI) and the Consortium for International Earth Science Information Network.	WEPSD c/o GETF 7010 Little River Turnpike, Suite 290 Annadale, VA 22003 USA
World Green Cross	Founded December, 1992, WGC is an independent organization that will contribute towards preventing, diminishing and overcoming ecological disasters, and encourage policies based on sustainable development and environmental conservation.	Organization aims to set up focal points throughout the world and establish a Green Cross alarm network.		World Green Cross Postfach 77 3000 Bern 23 Switzerland Tel: 41-31-464-340 Fax: 41-31-460-979

<b>World Resources Institute (WRI)</b>	<p>Research and policy institute helping governments, the private sector and developing organisations addressing questions of environmental sustainability. Projects are directed at determining the effects of natural resources deterioration on economic development and alleviating poverty and hunger in developing countries.</p>	<p>Programs ongoing in 1993 include; Biological Resources &amp; Institutions; Economics &amp; Population; Climate, Energy &amp; Pollution; Resource &amp; Environmental Information; Technology &amp; the Environment - seeks to identify policy options promoting environmentally-friendly technologies in US and abroad. Focuses on policies influencing business decisions with specific research on Regulatory Policy and Environmental Accounting and barriers to technological cooperation. The Institute's Centre for International Development provides policy advice, technical assistance and other support services for governments and non-governmental organizations in key sectors as agriculture, land use and environmental planning.</p>	<p>Independent not-for-profit corporation that receives financial support from private foundations, governmental and intergovernmental institutions, private corporations and individuals.</p>	<p>Jonathan Lash, President World Resources Institute 1709 New York, Avenue NW, 7th Floor Washington DC, 20006 USA Tel: 202-638-6300 Fax: 202-638-0036</p> <p>Information on Technology and Environment Program; Dr. Darryl Banks Program Director Tel: 202-662-2507</p> <p>Thomas Fox Director, WRI Centre for International Development and Environment Tel: 202-662-2532</p>
<b>Zaheer Science Foundation</b>	<p>Operates nationally and internationally in many fields including the conservation of natural resources in so far as science and technology are concerned.</p>			<p>Prof. S. Nural Hasan, Chairman Zaheer Science Foundation Tower A, Flat 30 Okhla Road New Delhi 110025, India Tel: 11-633373</p>

# Gender, Science & Technology & Environment - International Conferences

Organization/ Conference	Mandate	Activities	Major Supporters	Contact Point
Inter-American Consultation on Women in the Environment Washington, DC, October, 1991	Sponsored by the Organization of American States Inter-American Commission of Women (Comission Interamericana de Mujeres, CIM)	Discussed the special vulnerabilities of women faced with environmental degradation and with national experiences in development projects for women's advancement that take environmental concerns into account.		
Women in Environment and Development (WEDO) World Women's Congress for a Healthy Planet, 8-12, November, 1991.	Creation of a Women's Action Agenda 21. Recommendations and actions for a healthy planet, the Women's Action Agenda 21 - a blueprint to incorporating the women's dimension into implementing Agenda 21.	Called for, and expressed support for, communication strategies for disseminating information on appropriate technologies to women worldwide, South-South and North-South.	UNIFEM; Women's International Policy Action Committee; Women's Environment & Development Organisation (WEDO); Women's Foreign Policy Council/ Women USA Fund; International Women's Tribune Centre.	WEDO 845 Third Avenue, 15th Floor New York, NY 10022 USA Tel: 212-759-7982
International Conference on Water and the Environment Dublin, Ireland 26-31 January, 1992.	Participants called for fundamentally new approaches to the assessment, development and management of freshwater resources including immediate investments, public awareness campaigns, legislative and institutional changes, technology development and capacity building programmes.	Four guiding principles adopted including Principle No. 3 devoted to women, stating "Women play a central part in the Provision, management and safeguarding of water."		

<p>American Association for the Advancement of Science (AAAS) May, 18, 1993 Washington, DC.</p>	<p>AAAS Forum on Science in Africa: Women Leading from Strength. Part of a series of Science in Africa activities.</p>	<p>Panels will focus on major career issues confronted by African women in scientific and technical professions, highlight outstanding research contributions and explore ways to expand the contribution of African women.</p>	<p>American Association for the Advancement of Science. Carnegie Cooperation of New York</p>	<p>Amy Auerbacher Gimbel Sub-Saharan Africa Program Directorate for International Programs, AAAS 1333 H Street, N.W. Washington, DC 20005 Tel: 202-326-6730 Fax: 202-289-4958</p>
<p>UNCED/ AGENDA 21 Rio, Brazil, June, 1992. Chapter 24 "Global action for Women towards sustainable and equitable development." (Other chapters contained specific recommendations for gender-specific activities.)</p>	<p>Recommendations to strengthen role of women in sustainable development and eliminate obstacles to full participation in promoting environmentally sound management and sustainable development.</p>	<p>Activities endorsed to be carried out at national, regional and international levels, and within UN organisations, eg. technology diffusion: 24.8 (g) "Programmes to create rural and urban training, research and resource centres in developing and developed countries that will serve to disseminate environmentally sound technologies to women."</p>	<p>Division for the Advancement of Women, the United Nations Development Fund for Women, (UNIFEM), the International Research and Training Institute for the Advancement of Women, (INSTRAW)</p>	
<p>First Asian Indigenous Women's Conference Baguio City, the Philippines, 24-30 January, 1993</p>	<p>Indigenous women from 19 countries converged for the conference.</p>	<p>Issues on the agenda included; logging and deforestation in Sabah and Sarawak, dams in India, and population control in Bangladesh. Resulted in the "Indigenous Women's Declaration of Unity", which will be forwarded to the UN. Also served as a prelude to the Fourth World Conference on Women, Beijing, 1995.</p>	<p>Organized by Cordillera Women's Education and Resource Centre (CWERC)</p>	<p>CWERC 18 Gen. Lim Street Baguio City, Philippines Tel: 637-4-442-6004 Fax: 637-4-442-6004</p>
<p>PRIORITIES for 1995 UN World Conference for Women San Francisco Bay Area Forum &amp; Fair, 4-5 June, 1993.</p>	<p>First of a series of meetings around the world as planning continues for the official UN World Conference on Women, Beijing, China 1995.</p>	<p>Primary task is to identify a handful of priority issues for women worldwide. Ideas from this and other conferences will be pulled together into a PRIORITIES '95 document for presented to the US delegation to the UN conference.</p>	<p>Department of Women Studies at the University of California at Berkeley; United States Council for the International Research and Training Institute for the Advancement of Women (INSTRAW)</p>	<p>Irene Tinker Coordinator, Bay Area Conference Women's Studies Department at Berkeley, California Tel: 510-642-2767 Fax: 510-642-4607</p>

Global Summit of Women, New Choices - Political, Economic and Personal. Dublin, Ireland, July, 9-12, 1992	More than 450 international women leaders from 58 countries attended the conference.	Proceedings called for women to be more evenly represented in public policy making groups; the recognition and remuneration of unorganized, informal work; female health programme designed by women. Full proceedings of the conference can be obtained.	Global Summit of Women Visions for the Future 100 16th Street NW Suite 810 Washington, DC 20036 Tel: (202) 223-0267 Fax: (202) 659-3930
GASAT 7 Gender and Science and Technology Association July 31-August 5, 1993, University of Waterloo, Waterloo, Ontario	Association of those concerned with issues from interactions between gender, science & technology. Objectives include; encourage research into all aspects of gender differentiation in science, technology & employment, to foster gender equality and women's entrance into those areas.	Discussion areas for the symposium include; recruitment and retention of girls and women in science, engineering and technology, developing a feminist perspective on science and gender-sensitive practises.	Ann Holmes GASAT 7 Coordinating Chair Ontario's Women's Directorate 480 University Avenue, 2nd Floor Toronto, Ontario M5G 1V2
Interregional Workshop on the Role of Women in Environmentally Sound and Sustainable Development Beijing, China, September 1992.	To translate some of the concepts of UNCED into action by developing concrete, replicable projects and programmes which would ensure that the role of women are fully incorporated into the design and implementation of policies and programmes related to sustainable development.	Participants presented papers on the methodological approaches towards strengthening the role of women in sustainable development, case studies from activities around the world were also presented. Conference served as an important precursor to the World Women's Conference to be held in China, 1995. Conference was one of the first concrete follow-ups to UNCED and included topics not addresses at Rio such as the role of women in coastal areas.	Organised by the Task Force on Women in Development of the United Nations Department of Economic and Social Development (UNDESD) in cooperation with INSTRAW, and in association with the State Science and Technology Commission and the All-China Women's Federation of China.

Workshop on Training Modules for Women, Water Supply and Sanitation Bangkok, Thailand, 21-25 September, 1992.	Contributing to a new approach in the organization and management of sustainable water supply and sanitation programs (WSS) through the integration and consideration of women's needs; increasing awareness in officials and engineers, programmes and projects for involving women in WSS planning and creating a core group of facilitators to conduct similar workshops at local levels.	The Workshop presented and evaluated several modules of the training package "Women, Water Supply and Sanitation".	Modules were prepared by United Nations Department of Economic and Social Development (UNDESD), INSTRAW and International Labour Organization/Turin Training Centre. Workshop was held at the headquarters of the Economic and Social Commission for Asia and the Pacific (ESCAP)	UNDESD Publication number DEDS/SEM.92/4 INT-92-R26
Economic and Social Commission for Asia and the Pacific (ESCAP) Regional Meeting on the Role of Women in Environmentally Sound and Sustainable Development in Asia and the Pacific 27-30, October, 1992.	Meeting to endeavour to include women's issues in the Universal Code of Environmental Conduct.		ESCAP and UNDP	
NGO Preparatory Activities in the regions for the NGO Forum  ● Example: PRIORITIES '95 (US regional NGO preparations) Held 1993-1995	NGO Forum organised by committee of members of Conference of NGO's in Consultative Status with the United Nations Economic and Social Council (CONGO)  PRIORITIES '95 conferences aims to broaden awareness of global issues for women and information of efforts of NGO & UN agencies to improve conditions. To culminate in a unofficial Non-Governmental FORUM to parallel the UN World Women's Conference, Beijing, 1995.	All NGO's are encouraged to become involved in the regional mini-fora running parallel to the regional preparatory conferences for Beijing.  Priorities '95 meetings to identify a handful of critical issues on which to persuade governments to take action, and lobby official delegates to the UN Conference, 1995.	The UN Commission of the Status of Women (CSW) CONGO  United States Council for the International Research and training Institute for the Advancement of Women (INSTRAW)	Marlene Parenzani NGO Coordinator Planning Committee Kirshengasse 26, A-1017 Vienna, Austria Tel: 1-43-526-1899 Fax: 1-43-526-1899  Irene Tinker President of the US Council for INSTRAW 7515 Claremont Avenue Berkeley, CA 94705 Fax: 510-849-2223

<p>Official UN Regional Preparatory Activities for the Fourth Women's World Conference, Beijing, China 1995</p>	<p>Regional commissions will carry out assessments of the main issues of each region, including; trends, problems and creative solutions; to emphasise women's role in public life; and to stress the need to facilitate women's entrepreneurial activity. Reports to be discussed at regional conferences &amp; brought to Beijing.</p>	<p>Regional Conferences: Economic Commission for Africa (ECA), Senegal, 1994; Economic and Social Commission for Asia and the Pacific (ESCAP), Indonesia, 1994; Economic and Social Commission for Western Asia, (ESCWA), 1994; Economic Commission for Latin America and the Caribbean, (ECLAC), Argentina, 1994; Economic Commission for Europe (ECE), Czechoslovakia, 1994.</p>	<p>ATRCW, Economic Commission for Africa, P.O. Box 3001, Addis Ababa, Ethiopia</p> <p>WID Programme, Economic and Social Commission for Asia and Pacific, United Nations Building, Rajdamn Ave. Bangkok, Thailand</p> <p>WID Programme, Economic and Social Commission for Western Asia, PO Box 950629, Amman, Jordan</p> <p>WID, Programme Economic and Social Commission for Latin American and the Caribbean, Edicion naciones Unidas, Casilla 179 D, Santiago, Chile.</p> <p>WID, Programme, Economic Commission for Europe, Palais des nations, 1211 Geneva 10, Switzerland.</p>	<p>The Un Commission on the Status of Women (CSW) is the preparatory body for conference, with Division on the Advancement of Women as the focal point in the UN system for activities relating to women, providing substantive input &amp; secretariat support.</p>
<p>The Fourth World Conference on Women: Action for Equality, Development and Peace. Beijing, China, Sept. 4-15, 1995</p>	<p>To give new and added impetus to a full implementation of the Nairobi Forward-Looking Strategies for the Advancement of Women in the Year 2000</p>	<p>Expected to address remaining obstacles and look at the main recommendations of regional preparatory meetings. Chief outcome will be a platform of action, with proposals on institutional arrangements for implementation.</p>		





## Gender, Science & Technology & Environment- United Nations Bodies

Organization	"Mandate	Activities	Major Supporters & Donor Agencies	Contact Point
Consultative Group on International Agricultural Research (CGIAR)	Aims to contribute to sustainable improvements in productivity of agriculture, forestry and fisheries in developing countries through international research and related activities, and in partnership with national research systems in ways that enhance nutrition and well-being, especially of low-income people. In 1991 CGIAR inaugurated the CGIAR Gender Program.	CGIAR supports 17 autonomous research bodies run by independent boards including; the International Centre for Tropical Agriculture (Cali, Colombia) and the International Crops Research Institute for the Semi-Arid Tropics (Patancheru, India). The Gender Program addresses the use of gender analysis in research and training; and the status of internationally-recruited women scientists and professionals in the CGIAR system.	Operates under the Chairmanship of International Bank for Reconstruction and Development (IBRD) with FAO and UNDP as co-sponsors. An associated organization within the World Bank Group.	Alexander von der Osten Executive Secretary 1818 H Street N.W. Washington, DC 20433 Tel: 1-202-473-8951 Fax: 1-202-334-8750
United Nations Capital Development Fund (UNCDF)	Involved in the credit for technology not direct technology.	Involved in projects under the theme of women as users of technology, making appropriate technology available to women.		Gregore de Kaebertman UNCDF Tel: 212-906-6254
United Nations Children's Fund (UNICEF)	Development Programme for Women.	Programme is working in drought-threatened countries and working for household food security with drought-resistant indigenous food. Other action are; using fuel-efficient stoves, smoke-free stoves, solar stoves and biogas; supporting environmentally-friendly food and nutrition systems in terms of appropriate technology; solar-pumps and other appropriate technologies; formal and non-formal education for environmental issues.		James P. Grant Executive Director UNICEF House 3 U.N. Plaza New York, NY 10017 Tel: (212) 326-7000

UN Commission of Science & Technology for Development	Commission meets once every two years for two weeks and reports to ECOSOC.	Decided to choose the gender implications of science and technology for the benefit of developing countries as one of the two substantive themes to focus Commissions work, 1993-1995. To analyze in particular; employment and skill implications of technical change, energy technologies, agricultural technologies, S&T education and the health implications of advances in medical knowledge.	Comprises of 53 members elected by ECOSOC on basis of appropriate geographical representation.	
Commission on the Status of Women (CSW)	Commission established by ECOSOC in 1946 to prepare reports to ECOSOC on matters concerning the promotion of women's rights in the political, economic and educational fields. Has a five-member working group to consider confidential and non-confidential communications on the status of women, trends & patterns of discrimination indicated by communications. Meets in closed meetings.	Serving as the preparatory body for Fourth World Conference on Women. Also served as preparatory body for the Nairobi conference in 1985.		

<p>Food and Agriculture Organization of the United Nations (FAO)</p>	<p>Aims to raise levels of nutrition and standards of living: to secure improvements in the efficiency of production and distribution of all agricultural products; and to better conditions of rural populations. Providing an information and appraisal service; promotes national &amp; international action towards improvement of all aspects of production, marketing, processing, and distribution, and consumption in food &amp; agricultural industries; and providing technical assistance to members in any of the above fields.</p>	<p>Activities cover; Agriculture; Agrarian reform and rural development; Employment; Environment; Fisheries; Food; Forestry; Health; Land and water; Population; Also includes the International Fund for Agricultural Development (IFAD). IFAD has a WID policy. The Women in Agricultural Production and Rural Development Service (ESCHW) acts mostly in an advisory capacity to other FAO technical units ensuring the participation of women, also involved in the diffusion of technologies &amp; field testing of technologies to discover problems women confront. FAO preparing guidelines for ensuring the consideration of social &amp; gender issues in project assessments. Regional Office in Asia and Pacific are looking at issues affecting women in green revolution technology transfer.</p>		<p>L.H. Kirjavainen Chief, Women in Agricultural Production and Rural Development Services FAO Tel: 39-6-57971 Fax: 39-6-57975845</p> <p>Natalie D. Hahn Technical Adviser WID IFAD 107, Via de Serafico, 00142 Rome, Italy Tel: 54591 Fax: 5043463</p>
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<p>International Labour Office (ILO)</p>	<p>Mandated to raise working standards and living standards around the world; to further among nations programs to achieve full employment, employment of workers in jobs for which they are best fitted, provision of facilities for the training of workers, effective recognition of the right for collective bargaining.</p>	<p>Major activities; Employment and development; small scale industry development; occupational health and safety; Population; Training; Vocational rehabilitation; Women; Working and living conditions and environment; Workers education; Research on technical education for women; ILO/Commonwealth Association of Polytechnics in Africa (CAPA) established a pilot project to address the issue of under representation of women in technical education &amp; training (WITED). ILO Branches are conducting research on intermediate means of transport and the role of women in rural transport - a case study of Uganda.</p>		<p>Mr. Cesare Polini, Director Workers' Education Branch ILO 4, chemin des Morillons, CH-1211 Geneva 22, Switzerland Tel:1-41-22- 799-6111,ext. 7026</p>
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International Research and Training Institute for the Advancement of Women (INSTRAW)	INSTRAW was established by ECOSOC. Responsible for research, training and information activities on issues of women and development (WID) and the worldwide dissemination of research and public information on WID issues.	Activities include; Macro-economic policy analysis of women's work in informal sector; promoting credit for rural women; Monitoring and evaluating methodologies; Long-term concerns with women, water supply and sanitation and new and renewable sources of energy are now located under the broader rubric of gender, environment and sustainable development; Women's choice & assessment of technology; Curricula on gender and development studies, eg. Training Modules for Women, Water Supply and Sanitation; and training material regarding women & renewable sources of energy. Has also produced an Audio-Visual Package on women, environment and sustainable development. As of Fall, 1992 will be publishing a series of research studies on women and environmental issues.	Launched in 1983 with support of Governments of Finland, Norway, Canada, the US and the UNDP. Has now merged with the UNDP/World Bank Water and Sanitation Programme.	Ms. Margaret Shields, Director INSTRAW Calle Cesar Nicholas Pension No. 102-A, Santo Domingo D.N. Dominican Republic. Tel: 1-809-685-2111 Fax: 1-809-685 2117.  Support Office in New York DCI-1106 United Nations New York, N. Y. Tel: 212-963-0834 Fax: 212-963-2978
Promotion of the Role of Women in Water and Environmental Sanitation Services (PROWWESS)	Devoted to expanding women's participation in water and sanitation issues.	Works with specific projects, training activities and publications		
United Nations Capital Development Fund (UNCDF)	Involved in the credit for technology not direct technology.	Involved in projects under the theme of women as users of technology, making appropriate technology available to women.		Gregore de Kaebermatian UNCDF Tel: 212-906-6254

United Nations Children's Fund (UNICEF)	Development Programme for Women.	<p>Programme is working in drought-threatened countries and working for household food security worth drought-resistant indigenous food. Other action are; using fuel-efficient stoves, smoke-free stoves, solar stoves and biogas; supporting environmentally-friendly food and nutrition systems in terms of appropriate technology; solar-pumps and other appropriate technologies; formal and non-formal education for environmental issues.</p>		
United Nations Development Fund for Women (UNIFEM)	<p>UNIFEM established under of UNDP as a catalyst in ensuring involvement of women in mainstream development activities &amp; to support innovative &amp; experimental activities. Presently encouraging a reorientation in thinking about women's role in science &amp; technology, as designers, producers and disseminators of environmentally sound-technologies.</p>	<p>(i) 10 Technology Sourcebooks Incorporate women's concerns into mainstream &amp; link scientist's skills with grassroots women's needs to empower women. (ii) Circulating S&amp;T questionnaire on women, science and technology and coordinating Science &amp; Technology exhibit at Women's World Conference, 1995.</p>	<p>(i) Collaborating technical agencies identified to work in each sourcebook area include: ITDG, PROWESS, IFIAS, ILO, FAO, German Appropriate Technology Exchange (GATE).</p>	<p>Dr. Marilyn Carr UNIFEM 304 East 45th Street, 6th Floor New York, NY 10017 Tel: 1-212-906-6289 Fax: 1-212-906-6705</p>

<p>United Nations Development Programme (UNDP)</p> <ul style="list-style-type: none"> <li>Special Programme Resources (SPR)</li> <li>Global Environmental Facility (GEF)</li> </ul>	<p>Within Special Programme Resources (SPR) an allocation to assist field offices in obtaining information of the distribution, mandate and terms of reference, and organisation strength of WID capacities at all levels.</p> <p>Pilot programme established to provide grants and low-interest loans to developing countries for environmental management, particularly in the areas of protection of the atmosphere, biological diversity, ozone layer protection and protection of international bodies of water from pollution.</p>	<p>Activities include funds targeted to support formulation of environment plans &amp; policies, strengthen institutional &amp; technical capacities, ensure individuals are equipped with skills to make informed choices. The recently launched programme "Transfer and Adaption of Technology for Development" - will prefer projects that enhance women's access to technology &amp; technology careers.</p> <p>Hopes to expand programme and offer new opportunities to employ women in management and technical roles. Beijing, China, 1995.</p>	<p>Collaborating with UNIFEM and other UN bodies.</p> <p>Co-sponsor along with World Bank and the United Nations Environment Programme of the Global Environmental facility.</p>	<p>Special Programme Resources United Nations Development Program One United Nations Plaza New York, NY 10017 USA Tel: 212-906-5000 Fax: 212-906-5364</p> <p>Nancy Yates Senior Programme Advisor Gender in Development Programme PDSD/BPPE Tel: 212-906-5091 Fax: 212-906-5365</p>
<p>United Nations Educational Scientific and Cultural Organization (UNESCO)</p>	<p>To contribute to peace and security by through collaboration among nations. Promoting education, science, culture and communications. UNESCO is involved advancing mutual knowledge and understanding through mass communication, promotes use of popular education and the spread of culture.</p>	<p>Activities include; Earth sciences; Energy resources; Environment; Marine sciences; Population; Rural development; Water sciences; Women. Has been involved in a variety of activities in the area of girls &amp; science education. In Asia in collaboration with Women in Science and Technology in Asia (WISTAR) has produced teacher training material. UNESCO holding a conference in July, 1993 on Project 2000+, might add a section on girls &amp; science education. Also has a new program for women scientists in Easter Europe and USSR Republics and effect of governmental changes.</p>		<p>Mr. APea Education, Science and Technology UNESCO 7 place de Fontenoy F-75700 Paris, France Tel: 33-1-45681000</p>

United Nations Environment Programme (UNEP)	Administered by the secretariat under chairmanship of UN General Secretary. An administrative committee on co-ordination, composed of heads of organizations within UN system. Ensures cooperation of environmental programs. It has a distinct role from UNDP and other organisations funding development activities directly. Agenda 21 calls for a strengthening of UNEP & links the Sustainable Development Commission to UNEP.	Activities; other UN services exist for most of the activities outlined. Environmental Health; Ecosystems management; Desertification control; Environmental management; Soils and waters resources; Forestry; Energy; Natural diasters; Environment and development; Environmentally sound and appropriate technology; Industry and the environment; Oceans;	<p>UNEP Headquarters, PO Box 30552 Nairobi, Kenya Tel: 254-2-333930, ext 4311 Fax: 254-2-520883</p> <p>UNEP Liaison and Regional Office, Palais de Nations, CH-1211 Geneva 10, Switzerland, Tel: 4122 7985850</p>
United Nations Industrial Development Organization (UNIDO)	Mandated to promote industrialization in developing countries. In the process of orienting its activities towards the implementation of Agenda 21. Includes a Unit for the Integration of Women into Industrial Development - given the mandate of considering women in the activities of UNIDO related to the development & transfer of appropriate technology.	Activities include; Advisory service on policy and programs on industrialization of developing countries; Feasibility studies; Industrial and Technical information; Industrial management and rehabilitation. Recent specific projects include; case studies on improved cooking stoves, small-scale waste recycling, assisting rural women engaged in production of low-cost building materials and engaged in salt processing; UNIDO Training Programme for Women Entrepreneurs in the Food Processing Industry; Study on the impact of high technology on women's participation in textile and clothing industry to be finalized soon.	<p>Mr. Vladimir Podshibyakin Chief, Industrial and Technological Information, Section, Office D. 1931, Vienna International Centre, PO Box 300, A-1400 Vienna, Austria, Tel: 43-1-21131, Ext. 3691/2</p> <p>Barbel Chambalu Co-ordinator, Unit for the Integration of Women into Industrial Development Tel: 43-1-232158</p>



<p>United Nations University Institute for New Technologies (UNU/INTECH)</p>	<p>Research and training centre devoted to the economic and social implications of new technologies. UNU/INTECH program comprises of three principle components; research, advanced academic training, and the dissemination of information.</p>	<p>Through 1994-1995 biennium research will focus on; biotechnology, its role in development and its socio-economic consequences for LDC's; environment and the implications of new technologies for environmental quality and sustainable development; Eastern Europe, and the problems/opportunities. One of the research projects through 1992-1993 focuses on "New Technologies and Women's Employment: A global Overview". - exploring the employment prospects for women in the wake of rapid introduction of computer and associated technologies. Will involve case studies across 10 countries and also examine women's vision of science and technology.</p>	<p>Funded through income from an endowment fund contributed by the Netherlands Ministries of Education and Science and of Development Co-operation and by the governments of the Province of Limburg.</p>	<p>Professors Swasti Mitter and Charles Cooper UNU/INTECH Kapoentstraat 23 6211 KV Maastricht The Netherlands Tel: 43-210884 Fax: 43-252922</p>
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## Gender, Science & Technology & Environment - Other Inter-Governmental Organizations

Organization	Mandate	Activities	Major Supporters	Contact Point
Commonwealth Women's Affairs Ministers Meetings (WAMM)	<p>Women's Affairs Ministers representing the nations of the Commonwealth meet with the goal of developing a cooperative effort among Commonwealth countries to further women's equity issues.</p>	<p>First meeting took place in 1985, fourth meeting will take place in Cyprus, July, 1993. Theme of 1993 meeting is "Beyond Planning to Implementation". This builds the work of an Expert Group on Women and Structural Adjustment and their report "Engendering Adjustment for the 1990s", leading to the Ottawa Declaration on Women &amp; Structural Adjustment. Other issues to be discussed include women's participation in environmental policy.</p>		
Inter-American Institute for Cooperation on Agriculture (IICA)	<p>Specialized agency for agriculture. Purpose is to encourage, promote and support efforts of members states to achieve agriculture development and well-being. Sustainable development is a fundamental concept underlying all its programs. Through &amp; across all its 5 programs, IICA integrates the topics of gender and women into its analysis of agricultural activities.</p>	<p>1992 analyzed issues of rural women under the approach of gender &amp; agricultural modernization. With IDB analyzed impact of agricultural policies on women. Worked with IFAD to prepare technical background information on communications &amp; rural women. Prepared a regional strategy for the advancement of rural women to the Regional Commission for Social Affairs of Central America, Dec. 1992. Mid-term Plan for 1987-1993 aims to ensure equal opportunities for women in decision-making, access and control of resources, and equal responsibilities. Gender issues are integrated across all program areas.</p>	<p>Inter-governmental organization with full legal standing. Supported by 33 member countries in the Americas, 12 observer countries, development banks, associations, governmental and non-governmental organizations. Financed through entrusted funds.</p>	<p>Edouardo Trigo Program II Director Apartado Postal 55 2200 Coronado San José, Costa Rica Tel: 506-29-02-22 Fax: 506-29-47-41</p> <p>Ernani Fiori IICA Representative in Canada 130 Albert Street, Suite 1002 Ottawa, Ontario K1P 5G4 Tel: (613) 230-1044 Fax: (613) 230-1951</p>

La Francophonie	An informal grouping of 45 French speaking countries.	<p>Francophone Summit 1991, Canada announced it would sponsor the establishment of legal aid centres to meet the needs of women. Centres are now being established in Benin, Morocco and Cameroon, pilot centres to be assessed in 1993.</p> <p>August, 1992 CIM Expert Group Meeting on Violence Against Women. Issue was also the focus of the October 1992 bi-annual CIM Assembly of Delegates leading to a draft of the Inter-American Convention on the Prevention, Punishment and Eradication of Violence Against Women to be produced during 1993. In October, 1991 sponsored the "Inter-American Consultation on Women in the Environment" - discussed the special vulnerabilities of women faced with environmental degradation and with national experiences in development projects for women's advancement that take environmental concerns into account.</p>		<p>OAS 17th Street and Constitution Avenue Washington, DC Tel: (202) 458-3000</p>
Organization of American States Inter-American Commission of Women (Commission Interamericana de Mujeres, CIM)	<p>Established in 1928, and since 1953, a permanent specialized organization of the OAS. CIM is the advocate of the women of the America's before the member governments of the OAS and acts as a consultative organism for the OAS. OAS has three conventions on the rights of women; the Inter-American Convention on the Granting of Civil Rights to Women; the Inter-American Convention on the Granting of Political Rights to Women; and the Convention on the Nationality of Women.</p>			

<p>Organization of Economic Cooperation and Development (OECD)</p>	<p>A commitment to be active in the implementation of Agenda 21. To promote OECD objective of improving flow of information among OECD and non-member countries.</p>	<p>(i) An overall summary of OECD's response found in a list of activities of the 1993 OECD Work Program as they relate to each chapter of Agenda 21.</p> <p>(ii) DAC Working Party on Development Assistance and the Environment setting out approaches for implementation of UNCED Agreements focusing on technical cooperation, technical transfer and environmentally sustainable development. OECD Secretariat will prepare a review of ongoing sectoral activities in OECD and other organizations. To be discussed on April 27, 1993.</p> <p>(iii) Conference session on Environmental Technology Transfer/Commercialization to be held as part of GLOBE 94, Vancouver, BC, March 20-24, 1993.</p>	<p>(ii) OECD Secretariat</p> <p>(iii) External Affairs and International Trade Canada and Environment Canada</p>	<p>Joanne Fox OECD Secretariat Tel: 011-33-3-452-49048</p> <p>Ariel Delouya Environment Division Economic Policy Bureau External Affairs and International Trade, Canada Tel: (613) 995-2809</p> <p>Wayne Richardson, Manager, Technology Transfer Office, Technology Development Branch</p>
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# Gender, Science & Technology & Environment - International Networks and Organizations

Organization	Mandate	Activities	Major Supporters	Contact Point
American Association for the Advancement of Science (AAAS)	World's largest federation of scientific and engineering societies; purposes include improving effectiveness of science in promoting human welfare. Office of International Science (OIS) administers bilateral & multilateral cooperative projects & exchanges in such fields as arid lands and climate change.	Activities include; AAAS Forum on Science in Africa: Women Leading from Strength, Tuesday, 18 May, 1993. Assisting in the organization of the Fourth Women's World Conference, Beijing, China, 1995.		Sub-Saharan Africa Program Directorate for International Programs AAAS 1333 H Street Washington, DC 20005 Tel: 1-202-326-6730 Fax: 1-202-289-4958
Development Alternatives with Women for a New Era (DAWN)	Has a thematic research coordinator on environment and development and regional coordinators for the Pacific, Africa, Asia, Latin American and the Caribbean.			c/o Peggy Antrobus WAND School of Continuing Studies University of West Indies Pinelands, St. Michael Barbados
International Gender and Science and Technology Association (GASAT)	Association of those concerned with issues from interactions between gender, science & technology. Objectives include; encourage research into all aspects of gender differentiation in science, technology & employment, to foster gender equality and women's entrance into those areas.	International organization, holding biennial meetings. Next meeting to be held in Waterloo, Ontario.		Rebecca Lubetkin Executive Secretary GaSaT C/O Educational Consortium for Educational Equality 4090 Livingston Campus Rutgers University New Brunswick, New Jersey 08903 Tel: (603) 932-2071 Fax: (603) 932-0027

Intermediate Technology Development Group (ITDG)	Helps poor people in developing countries to develop and use technologies and methods.	Activities include; working with UNIFEM on technology sourcebooks, assisting with the women's World Conference in Beijing, China, 1995		Intermediate Technology Development Group Intermediate Technology Myson House Railway Terrace Rugby CV21 3HT United Kingdom (Tel: 44-71-436-9761) (Fax: 44-71-436-2013)
International Centre for Research on Women (ICRW)	Private, non-profit organization aiming to improve the productivity and incomes of poor women in developing countries worldwide. Only centre in US seeking to influence development planning on behalf of poor women. Offices in Washington, DC and London, UK.	Programs include; Technical services for the design, implementation and evaluation of development projects; Policy research in key areas including environment; Public education in the US and abroad. Have done significant research on "Women, Poverty and the Environment in Latin America". In 1992, entering a collaborative effort with the World Wildlife Fund aimed at improving the capacity of conservation initiatives to integrate women.	Supported by grants, contracts, and contributions from international and national development agencies, foundations, corporations and individuals.	International Centre for Research on Women 1717 Massachusetts Avenue, NW Suite 302 Washington, DC 20036 Tel: (202)-797-0007 Fax: (202) 797-0020



International Federation of Institutes for Advanced Study (IFIAS)	Association of independent research institutions collaborating in addressing global problems of long-term importance. Develops/ facilitates research programs. Much of federations' work focuses on global resource & environmental problems. Women, Science and Development Programme initiated 1991, aims to further the contributions and well-being of women in the process of scientific and technological changes for just development.	Activities include; - working paper series - titles include; "Women, Energy and Environment," Elizabeth Cecelski. -Planning workshops on "Science at the service of Women" -Symposium on Mainstreaming Women in Science and Technology. -Women in Global Science and Technology Network (WISGAT) -Global Workshops; "Do It Herself: Women & Technological Innovation." Includes regional workshops to explore options to disseminate information to women directly.	Meetings funded by; Approtech Asia, The Canadian International Development Agency (CIDA), the Ford Foundation, International Technology Development Group, UNIFEM, the UN Population Fund (UNFPA) and the SVITA Foundation	Sophia Huyer WSD Programme Coordinator IFIAS 39 Spadina Road Toronto, Ontario M5R 2S9 Tel: (416)-926-7570 Fax: (416) 926-9481
International Women's Tribune Centre	Working collaboratively with women in Africa, Asia, Latin America, the Caribbean, South Pacific and Middle East in support of their organizing efforts to promote women-oriented development plans, policies and projects.	Collection, documentation and distribution of information on all women's publications. eg; Global Workshops "Do It Herself: Women and Technological Innovation." Includes regional workshops to explore options to disseminate information to women directly, eg. radio programmes.		Anne Walker Director International Women's Tribune Centre 777 United Nations Plaza, New York, NY 10017, USA Tel: 1-212-687-8633 Fax: 1-212-661-2704
Society for International Development/Women in Development (SID/WID)		A small inter-disciplinary group of SID-WID members, other researchers and policy makers are working together on a gender analysis of sustainable livelihoods. Activities for 1993 include; a workshop and roundtable collaboration with the inter-University perfect on women and the environment and sustainable development in the Netherlands March & November, 1993.		SID-WID Palazzo Civiltà del Lavoro 00144 Rome Italy Tel: 39-6-591-7879 Fax: 39-6-591-9836

Winrock International Winrock Institute for Agricultural Development		Includes; African Women Leaders in Agriculture Program aiming to use the untapped potential of women in solving Africa's food security and environmental problems.		Winrock International 1611 N. Kent St. Arlington, VA 22209 USA Tel: 703-525-9430
Women's Environmental Network (WEN) USA	Recently launched in North America, following aims of WEN UK, to educate, inform and empower women who care about the environment.	Group is working to develop a national network that can play an integral role in developing women- centred solutions to worldwide environmental problems. Particularly involved in exposing the environmental impacts of toxic pollutants on women's reproductive health.		WEN USA PO Box 4560 Chicago, IL 60680 Tel: 312-666-1401.
Women's Environment & Development Organization (WEDO)	To empower women to be equal and active decision makers in environment and development matters.	Activities include; Task Forces, Programs, Outreach and Leadership. also monitoring the implementation of Agenda 21 and lobbying for gender balance in commissions following UNCED, and a gender-specific evaluation of Agenda 21.		Rachel Kyte Executive Director WEDO 845 Third Avenue New York, New York 10022 Tel: (212) 759-7982 Fax: (212) 759-8647
World Organization of Women in Science and Technology (TWOWS)		Conference on Women in Science and Technology, Cairo, Egypt, January, 1993		Lydia Makhabu The World Organization for Women in Science (TWOWS) c/o Third World Academy of Science Strada Costiera, PO Box 586 34100 Trieste Italy Tel: 1-39-40-2240-1 Fax: 39-40-224559/2241

WorldWIDE Network - Women in Development and Environment.	A worldwide network of women to educate, promote and mobilize women in environment and natural resource programmes. Women are linked through local forums.	<p>(i) 1991 meeting in Miami - "Global Assembly of Women and the Environment - Partners in Life," 218 successful environment management stories were presented.</p> <p>(ii) Directory of Women in Environment listing 1,700 women active in the environment in 115 countries.</p> <p>(iii) A special edition of WorldWIDE News (Fall, 1992) reported on UNCED and the Global '92 Forum. The Winter 1993 edition concentrated on Networking Women and the Environment, and included an analysis of chapter 24 of Agenda 21.</p>	Senior Women's Advisory Group (SWAGSD), UNIFEM	<p>Waafas Ofosu-Amaah, Managing Director WorldWIDE Network World Women in Environment 1331 H Street, NW Suite 903 Washington, DC 20005, USA Tel: (202) 347-1514 Fax: (202) 347-1524</p>
The World Women's Veterinary Association (WWVA)	An international non-governmental organization dedicated to global development with specific focus on the needs of women and children. The association was founded in 1987 at the XXVIII World Veterinary Congress.	Advancement and promotion of the profession development of women veterinarians and their full and effective contribution to the profession and to organizations, governments and international agencies. Sponsors projects, cooperatives and international exchanges and South-South, North-South linkages	Canadian International Development Agency (CIDA)	Dr. Elizabeth McGregor Founding President World Women's Veterinary Association
World YWCA-Y's Eyes	The World Young Women's Christian Association energy and environment desk is situated in Fiji.	Activities centre around environmental education at the grassroots level. For some years, the focus has been on appropriate technology. A Waste Recycling Workshop in 1991 focused efforts on sustainable and renewable development policies. Future plans call for an environmental campaign workshop and an action guide on waste recycling.		Ruth Lechte World YWCA Energy and Environment Desk Box 623 Nadi, Fiji Tel/Fax: 679-79-0003



**Gender, Science & Technology & Environment - Canadian Government, University, and NGO Initiatives**

Organization	Mandate	Activities	Major Supporters	Contact Point
Canadian Advisory Council on the Status of Women (CACSW)	An independent organization appointed and funded by the federal government. Mandated to advise the federal government on issues of interest and concern to women in Canada and to bring these matters to the attention of the public.	Undertakes research and distributes information through publications and public interaction; communicates women's concerns to the government and other Canadians; advises the Minister Responsible for the Status of Women.	Appointed and funded by the Canadian federal government	CACSW 110 O'Connor, 9th Floor PO Box 1541, Stn B Ottawa, Ontario K1P 5M9 Tel: (613) 992-4975 Fax: (613) 992-1715
Department of Labour - Women's Bureau of the	Department of Labour is a federal government department responsible for administering the Canada Labour Code - the main federal government legislation governing: Labour-Management Relation; Occupational Health and Security; Workplace Conditions. Assumes leadership role for Canada's participation in international labour organizations.	Women's Bureau carries out research and develops policies relative to the impact of the Canadian Labour Code on women in the labour force.		P. Bennett Director, Women's Bureau Department of Labour Tel: (613) 994-3779
Industry, Science and Technology Canada	Federal government department.	Has produced a series of publication on Women in Science and Engineering focusing on women in Canadian universities, women within community colleges and women in other parts of the labour force.		Alan Cobb Director General University and College Affairs ISTC Tel: (613) 993-1380
National Advisory Board on Science and Technology (NABST)	An advisory board composed of private sector individuals, appointed by the Prime Minister to advise on issues of science and technology	Regularly produces reports, including; "Committee on the Participation on Women in Science and Technology"	Appointed by the Prime Minister, funded by the federal government	Margaret McCuaig-Johnston Asst. Secretary to NABST Secretariat NABST Tel: (613) 998-1306

Secretary of State	Federal government department seeks to foster a sense of national identification and unity through support for education, multiculturalism, Official Languages Act, and support to groups and individuals.	Women's Program administers funding available to non-governmental women's organizations working to achieve women's equality at the national, regional and local levels.		Jackie Claxton Director Women's Program, Secretary of State Tel: (613) 994-3190 Fax: (613) 994-3220
Status of Women	A federal government agency that provides leadership, expertise and strategic advice to the Minister and to federal government departments and agencies on issues affecting women. Reports to parliament through the Minister responsible for the Status of Women. The objective of Status of Women Canada is to promote equal opportunities for women in all spheres of Canadian life.	Activities include; ensuring the goal of women's equality is integrated in all federal government legislation, policies, programs and initiatives; promotes partnerships among federal government departments and agencies, provincial and territorial governments, local governments, NGO's and educational and health organizations. Represents Canada internationally at meetings of the UN, OECD, OAS. Works to coordinate the Federal-Provincial/Territorial Ministers Responsible for the Status of Women; organizes the Interdepartmental Committee on Status of women Integration Mechanisms (IDC) - a forum to share information on governmental programs and policies. Produces a number of publications, including a quarterly newsletter.		Irene Léger Inter-Governmental & Non-Governmental Relations Status of Women Canada 360 Albert Street Suite 700 Ottawa, Ontario K1A 1C3 Tel: (613) 995-7842 Fax: (613) 957-3359

Provincial and Territorial Women's Directorates (All ten Provinces and Territories have distinct Women's Directorates)	Provincial & Territorial Government departments responsible for the status of women and ensuring full equality of women, economically, politically and socially, within their territorial jurisdiction.	Activities include; lobbying; research, examination of proposed legislation and its effects on women; consultative services to the private sector on issues of equity; working with educational institutions; public education; and grants		Ontario Women's Directorate Ann Holmes Ontario Women's Directorate 480 University Avenue 2nd Floor Toronto, Ontario M5G 1V2 Tel: (416) 597-4500 Fax: (416) 597-4594
Concordia University Institut Simone de Beauvoir Institute	Undergraduate department. Promotes an understanding of the historical and contemporary situation of women in society.	Course offering include; "Women, Science and Technology" - an interdisciplinary survey course exploring historical trends and contemporary concerns; "Women and Health"		Simone de Beauvoir Institute 2170 Bishop Street Concordia University Montreal, Quebec Tel: (514) 848-2374
Mount Saint Vincent University	Institute for the Study of Women	Official Canadian focal point for INSTRAW. Will develop an inventory of all Women & Development curricula in Canada.		Dr. Poss Director Institute of Women's Studies Mount Saint Vincent University Tel: (902) 457-6569
University of Toronto	New College Women Studies Programme	Programme does not offer specific courses on environment, or technology, but current course listings for 1992-1993, include a course on Bioethics, Women and Health.		Doris Page New College University of Toronto Tel: (416) 978-5404, ext. 2045.

<p>York University</p> <ul style="list-style-type: none"> <li>• Faculty of Environmental Studies</li> <li>• Centre for Feminist Research</li> <li>• Women Studies</li> </ul>	<p>- Current Research Activities of the Faculty; Women, Environment &amp; Development Research; Women in cities: Gender Restructuring and Urban Restructuring; Women and Natural Resource Management in Africa; Women's not-for-profit Housing Projects.</p> <p>- Bilingual Organised Research Centre mandated to promote feminist activities and collaborative research at York University and the larger national and international communities.</p> <p>- Graduate Programme in Women's Studies has five overlapping components in its interdisciplinary scholarship; Women's History; Feminist Theory; Women and Culture; Research Methodology; Public Policy.</p>	<p>The Centre sponsors a feminist lecture series, offers a directory of feminist teachers, scholars and researchers at York, a newsletter and a library.</p> <p>Courses offered include; "Women and Urban Change"; "Women and Environments"; "Transformation of Gender Relations in the Third World"</p>	<p>Centre for Feminist Research 228 York Lanes York University 4700 Keele Street North York Ontario M3J 1P3 Tel: (416) 736-5915</p>	<p>PO Box 6054, Stn. A Toronto, Ontario M5W 1P5</p>
<p>Canadian Association of Women in Science</p>				



Canadian Committee on Women in Engineering	Chaired by Monique Frize, Northern Telecom-NSERC Women in Engineering Chair.	Produced report "More Than Just Numbers", April, 1992. Report covers laying the foundation to encourage girls to consider science at school, Education for and by Women Engineers, Designing Engineering Workplaces, Support by Association, and Making it Happen.	Project initiated by Industry, Science and Technology Canada, supported by Employment and Immigration, also supported by Canadian Council of Professional Engineers, the Association of Consulting Engineers of Canada, the Association of Universities and Colleges Canada and the Canadian Manufacturers Association.	Additional copies of the report are available from: Northern Telecom-NSERC Women in Engineering Chair Faculty of Engineering University of New Brunswick PO Box 4400 Fredericton, NB E3B 5A3
Canadian Research Institute for the Advancement of Women	Feminist research organization supports research promoting social change benefiting women.	Coordinates, encourages and conducts research and produces publications. Recent projects have looked at issues facing visible minority women and the implications of new reproductive technologies. Also has two databases; profiling feminist researchers and their work; "A World of Difference" - focusing on women specializing in global issues. Publications include a quarterly newsletter, CRIAW Papers, Conference proceedings and Reports and Briefs.	A national non-governmental organization.	CRIAW 408-151 Slater Street Ottawa, Ontario K1P 5H3 Tel: (613) 563-0681 Fax: (613) 563-0682

National Action Committee on the Status of Women (NAC)	A national non-governmental organization serving as an umbrella organization/coalition for 500 women's groups in Canada, representing 3 million individuals. The largest feminist organization in Canada. Commitment to working to improve status of women in Canada; member groups include national women's organizations, women's centres, service delivery groups, native women's groups, unions and major political parties.	Activities aimed at shaping public opinion, influence decision makers and mobilize membership. Also has a speaker service and a library and publishes a newsletter. NAC committees include: 52% Solution, Future of Women's Work; Violence; Policy Committees on Aboriginal Women, Employment; Health and Arts.; Housing; International Solidarity; etc.	An independent, non-profit, non-partisan organization that receives financial support from membership fees, donations, projects grants and sale of publications.	National Action Committee on the Status of Women 57 Mobile rive Toronto, Ontario M4A 1H5 Tel: (416) 759-5252 Fax: (416) 759-5370
Society for Canadian Women in Science and Technology (SCWIST)	National organization to encourage equal opportunities for women in scientific, technological and engineering careers; to educate the public about careers in S & T; to assist educators by providing current information on careers & careers training, science & scientific policies.	Activities include: Task Forces, programs and services, 5-6 regular program meetings of various topics; collection of gender-free science & mathematics examples of questions.		Jacqueline Gill President Society for Canadian Women in Science and Technology #2423, 515 West Hastings Street Vancouver, BC V6B 5K3 Tel: (604) 291-5163 Fax: (604) 291-5112
Women & Environment Education & Development Foundation (WEED Foundation)	To provide a forum for communications; to conduct research on issues relating to women in the fields of planning, health, workplace, design, economy, urban & rural sociology & community development.	Produces magazine "Women & Environments", exploring women's relationships with their built, natural and social environments.		Rosalind Cairncross Miriam Wyman 736 Bathurst St. Toronto, Ontario M5S 2R4 Tel: (416) 516-2379 Fax: (416) 531-6214
Women in Scholarship, Engineering, Science and Technology (WISEST)				C/O Dr. M. A. Armour Dept. of Chemistry University of Alberta Edmonton, Alberta T6G 2G2

<p>Women in Science and Engineering (WISE)  Tel: (416) 567-9757  Fax: (416) 567-7192</p>	<p>National organization to encourage women to enter careers in science, engineering and mathematics; to encourage women to obtain high levels of professional achievement in these fields; to provide a forum of discussion of subjects of interests to members.</p>	<p>Activities include; speakers service, newsletter.</p>		<p>Mildred Minty  National President  WISE  6519B Mississauga Rd  Mississauga, Ontario  L5N 1A6</p>
<p>Women in Trades and Technology (WITT)</p>				<p>Women in Trades and Technology  Seneca College, Oakville Campus  216 Lakeshore East  Oakville, Ontario  L6J 1H8</p>

## Aboriginal Peoples

Organization	Mandate	Activities	Major Supporters	Contact Point
<p>Department of Indian and Northern Affairs (DIAND)</p>	<p>Canadian federal government department with responsibility for Indian and Northern Affairs. Economic Development Sector includes the Resource Development Directorate providing technical and financial assistance through the Canadian Aboriginal Economic Development Strategy (CAEDS) to community activities concerning natural resources and related environmental issues. CAEDS divided into two major delivery programs; Community Economic Development Organizations (CEDOs) and Regional Opportunities Program (ROP).</p> <p>Lands, Revenue &amp; Trusts Sector - Environmental Directorate provides technical &amp; financial assistance to communities to deal with environment issues; cooperation with Health &amp; Welfare Canada to monitor environmental issues affecting Indian lands and northern ecosystems.</p>	<p>Green Plan Initiatives; eg. Project Eagle, studying 63 Aboriginal communities around Great Lakes and the effects of contaminants on lifestyles of communities.</p>	<p>DIAND works with ISTC, Health and Welfare and Provincial counterparts</p>	<p>Garth Bangay Director Environmental and Renewable Resources Directorate Natural Resources and Economic Development Branch DIAND Tel: (613) 997-2728</p> <p>Glenn Bloodworth Director, Environmental Protection Directorate Lands, Revenues &amp; Trusts DIAND Tel: (613) 997-8424</p>

Momadoo International Indigenous Knowledge Centre (Proposed)	A proposed International Indigenous Knowledge Centre with goal of preserving and perpetuating ecological knowledge of indigenous peoples in Canada and worldwide.	To be situated on the ground on Lakehead University, housed in three spiritual lodges. ANIMIKI elders to retain full control over curriculum of centre. Proposed activities include; courses and seminars on indigenous philosophy, agriculture and medicines; help host international workshops for indigenous people; and serve as a cultural centre similar to the Dene Cultural Institute.	Potential partners; Lakehead University, DIAND, CIDA	Lauren Clarke Nipigon Aboriginal Peoples Alliance (NAPA) Tel: (807) 343-8110
Centre for International Research and Advisory Networks (CIRAN)	February, 1993, CIRAN launched <i>Indigenous Knowledge and Development Monitor</i> . Aims to provide a forum for regional and national indigenous knowledge resource centres to interact with other groups for a participatory approach to sustainable development.	First issue of the newsletter includes items on networking indigenous knowledge, using indigenous knowledge of agriculture and rural development, and improving indigenous soil and water conservation techniques		CIRAN PO Box 90734 2509 LS The Hague The Netherlands Tel: 31-70-351-0374 Fax: 31-70-351-0513
American Indian Science and Engineering Society (AISES)	Working for the recruitment of Aboriginal scientists and engineers for fifteen years.	At the Director's meeting in Boulder, Colorado, October 1992, a motion was passed to assist individuals in Canada in developing a Canadian chapter of the organization or a mirror organization in Canada. Presently, there is a chapter of AISES at the University of British Columbia.		Jack Ramsey AISES 1630 30th Street Suite 301 Boulder, Colorado 80301-1014 Tel: (303) 492-8658 Fax: (303) 493-3400

<p>Indigenous Knowledge and Development symposium, Silang, the Philippines. September, 20-26, 1992.</p>	<p>Attended by 50 scientists and development professionals from 17 countries to discuss methods of recording and utilizing indigenous knowledge, as a method of applying it to sustainable development.</p>	<p>Recurrent themes of symposium were that indigenous knowledge should be applied to development and not just reserved for scientific analysis, that local people should be involved in the research from the beginning, and that mechanisms have to be found to ensure that local people retain control of their own knowledge, and that it is not misused by outsiders.</p>	<p>Organized by the Regional Program for the Promotion of Indigenous Knowledge in Asia (REPPIKA)</p>	<p>Dr. Evelyn Mathias-Mundy REPPIKA C/O International Institute of Rural Reconstruction Silang, Cavite 4118 The Philippines Tel: 63-2-969-9451 Fax: 63-2-522-2494</p>
<p>Continental Coordination Commission of Indigenous Nations (CONIC) Panama, 24-27 September, 1992.</p>	<p>Third Continental meeting of CONIC took place in Panama, 24-27 September, 1992. Delegates from 14 different Indian nations of South and Meso America attended.</p>	<p>Commission agreed on a number of objectives including forming a common alliance to curb the destruction of the environment. The Commission will also organize a Continental Indigenous Encounter in Mexico, July, 1993.</p>		<p>CONIC C/O Indigenous Peoples Alliance PO Box 40192 Albuquerque, New Mexico 87196 Tel: (505) 766-9930 Fax: (505) 766-9931</p>
<p>First Asian Indigenous Women's Conference Baguio City, the Philippines, 24-30 January, 1993.</p>	<p>Indigenous women from 19 countries converged for the conference.</p>	<p>Issues on the agenda included; logging and deforestation in Sabah and Sarawak, dams in India, and population control in Bangladesh. Resulted in the "Indigenous Women's Declaration of Unity", which will be forwarded to the UN. Also served as a prelude to the Fourth World Conference on Women, Beijing, 1995.</p>	<p>Organized by Cordillera Women's Education and Resource Centre (CWERC)</p>	<p>CWERC 18 Gen. Lim Street Baguio City, Philippines Tel: 637-4-442-6004 Fax: 637-4-442-6004</p>

<p><b>National Seminar on Indigenous Technologies for Sustainable Agriculture.</b> New Delhi, India, March, 23-25, 1993.</p>	<p>A national seminar on Indigenous technologies for sustainable agriculture.</p>	<p>Seminar to focus on traditional technologies in agriculture, animal husbandry, forestry, fisheries, food and nutrition. Aims to prepare and inventory of traditional knowledge and practises in the fields under consideration, to discuss the relevance of traditional technologies for national development, and to develop a strategy for integrating the indigenous knowledge system with the formal research system.</p>	<p>Organized by the National Council of Development Communication and the Indian Agricultural Research Institute.</p>	<p>Dr. P. B. Singh Division of Agricultural Research Indian Agricultural Research Institute New Delhi - 110012 India Tel: 91-11-582-081</p>
<p><b>Akwe:kon Press</b></p>	<p>A Native American Press</p>	<p>Special issue (Summer 1992) of the quarterly <i>Akwe:kon Journal</i>, "Indigenous Economics, Towards a Natural World Order," was dedicated to indigenous analysis of environment and development issues in the context of the Earth Summit. Included viewpoints from Amazonian, Mayan, Miskito, Iroquois, Anishinabe and Dene indigenous representatives.</p>		<p>Akwe:kon Press 300 Caldwell Hall Cornell University Ithaca, New York 14853 Tel: (607) 255-4308 Fax: (607) 255-0185</p>

## Environment & Technology - Military Conversion

Organization	Goals	Activities	Major Supporters	Contact Point
International Centre for Conversion in Bonn	Independent centre to promote the process by which people, skills, technology, equipment and facilities in defence are shifted to alternative economic applications. Task is to service the management of disarmament and to assist in practical conversion and demobilization projects. Planned to begin operating, Spring, 1994.	<p>The Centre will be divided into three departments; documentation &amp; library, research &amp; analysis, consultants &amp; information dissemination</p> <p>Six focus areas;</p> <p>Reallocation of financial resources;</p> <p>Reorientation of military research and development; Conversion of industry;</p> <p>Reintegration of military personnel and civilian personnel employed by the armed forces into non-military jobs; Reallocation of military installations; Alternative use or scrapping of surplus weapons</p>	The Government of North-Rhine Westphalia (NRW), Dusseldorf, Federal German Government and the United Nations	
European Bank for Reconstruction and Development (EBRD)	Established January, 1990. Aims to provide advice, loans equity investment and debt guarantees to foster transition towards open market-oriented economies in the countries of Eastern and Central Europe, and help their economies become fully integrated in the international economy.	<p>Activities include; promoting throughout full range of activities environmental sound and sustainable projects. Since April, 1992 governing Council Meeting, conversion of military personnel and equipment to civilian uses is one of the EBRD's highest priorities. Is likely to fund activities which turn military technology to environmental uses.</p>	Members include European countries or non-European countries that are members of the International Monetary Fund.	<p>Mr. O. Preskin European Bank for Reconstruction and Development 122 Leadenhall Street London, EC3V 4EB Tel: 44-71-338-6000 Fax: 44-71-338-6100</p>



<p><b>Federation of Russia</b></p> <ul style="list-style-type: none"> <li>• National Centre for Aerospace Complex Conversion</li> <li>• Ministry of Ecology and Natural Resources</li> </ul>	<p>Proposal emerged from Moscow, Russia Conference, October, 1992, following special decree by President Boris Yeltsin.</p> <p>1992 developed a special state programme, "Conversion for Ecology" - marking the first stage of the conversion of the defence complex, including aerospace industry, for the sake of environment protection.</p>	<p>Will play an important role in harmonizing international cooperation in the area of the conversion of military aerospace to civilian uses.</p> <p>Main task of conversion programme is develop &amp; create products reducing ecological strain. Programme utilizes former military personnel, scientists, technicians and technology.</p>	<p>To be established by the Russian Federation.</p>	
<p><b>United Nations Interdepartmental Task Force</b></p>	<p>The conversion of military technology to civilian uses could generate in the United Nations a new substantive theme of high importance for economic, social and political development.</p>	<p>In recognition of the significance of both the global concerns for the environment and increased military conversion, the Secretary-General established October, 27, 1992 an interdepartmental Task Force at the United Nations to provide Member-States with political, technical and economic advice on various aspects of conversion.</p>		
<p><b>Review Conference of the Convention on Prohibition of Military and Any Other Hostile Use of Environmental Modification Techniques (the ENMOD Convention)</b> September 14-21, 1992.</p>	<p>Conference to review the convention.</p>	<p>Background material for the conference was provided in a special issue of the quarterly UNIDIR newsletter focussing on environmental security.</p>	<p>Conference organized by United Nations Institute for Disarmament Research (UNIDIR)</p>	<p>United Nations Institute for Disarmament Research (UNIDIR) Palais des Nations 1211 Geneva Switzerland Tel: 41-22-734-6011 fax: 41-22-733-9879</p>

<p><b>Conversion of the Aerospace: Technology Assessment for Development,</b> Moscow, Russia, 12-17 October, 1992.</p>	<p>First broad United Nations conference to discuss conversation in relation to a specific industry - explored means of converting military aerospace technologies to civilian uses, including environmental monitoring. Attended by more than 460 delegates from 26 countries.</p>	<p>One of the working groups at the conference examined the issues of "Remote Sensing and Environmental Monitoring, Social Aspects of Conversion." The group noted that the opportunities for spaceborne and airborne remote sensing and conversion of ecological, resource and environmental monitoring and control are local (land-use planning), regional (natural resource analysis, forest fires), and global (ozone layer, climate change) levels. Each demands a particular type of remote-sensing instrument and form of conversion. Constraints to these activities are related to financing of projects &amp; marketing of data. Recommendations emerging from conference included; Governments &amp; international community to assist in financing projects through tax breaks, etc; establish training program; holding international collaborative workshops; assist R&amp;D of low-cost remote sensing alternatives.</p>	<p>Conference held at the Russian Academy of Management. Organized by Science, Technology, Energy, Environment and Natural Resources Division of the United Nations Department of Economic and Social Development (DESD) and the Government of the Russian Federation with close cooperation of UNDP and DPA, UNESCO and UNIDO. Financing provided by the UN, UNDP and Rockefeller Foundation.</p>	<p>Enquiries regarding the summary report of the meeting: Dunja Pastizzi-Ferencic Director Science, Technology, Environment, Energy and Natural Resources Division Department of Economic and Social Development United Nations New York, New York 10017 Fax: (212) 963-4349.</p>
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<p><b>Conversion for Agenda 21 Aerospace for Environmental Protection and Sustainable Development Dallas, Texas, Fall 1993.</b></p>	<p>A follow-up of Moscow deliberations. To investigate the connection between the conversion of military aerospace technology and contemporary approach to global environmental and development problems in order to meet recommendations of Agenda 21 in the context of the promotion of environmental protection and sustainable development. Conference will also consider the concept of GNEM, GNRM and other projects and a plan of international cooperation and action in the field of military conversion.</p>	<p>Conference objectives; to explore social &amp; economic implications of the global conversion process; to identify and assess military aerospace technologies most appropriate for civilian applications; to investigate the barriers to the current conversion process in order to elaborate a portfolio of options.</p>	<p>Organized jointly by UN Secretariat, University of Texas, Dallas together with the governor of Texas inclose cooperation with UN Agencies, NGO's and the private sector.</p>	<p>Dr. Lloyd Dumas Professor of Political Economy and Vice Chair on Economic Transition The University of Texas at Dallas Box 830688 Richardson, Texas 75083-0688 Tel: 214-690-2935 Fax: 214-690-2735</p>
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